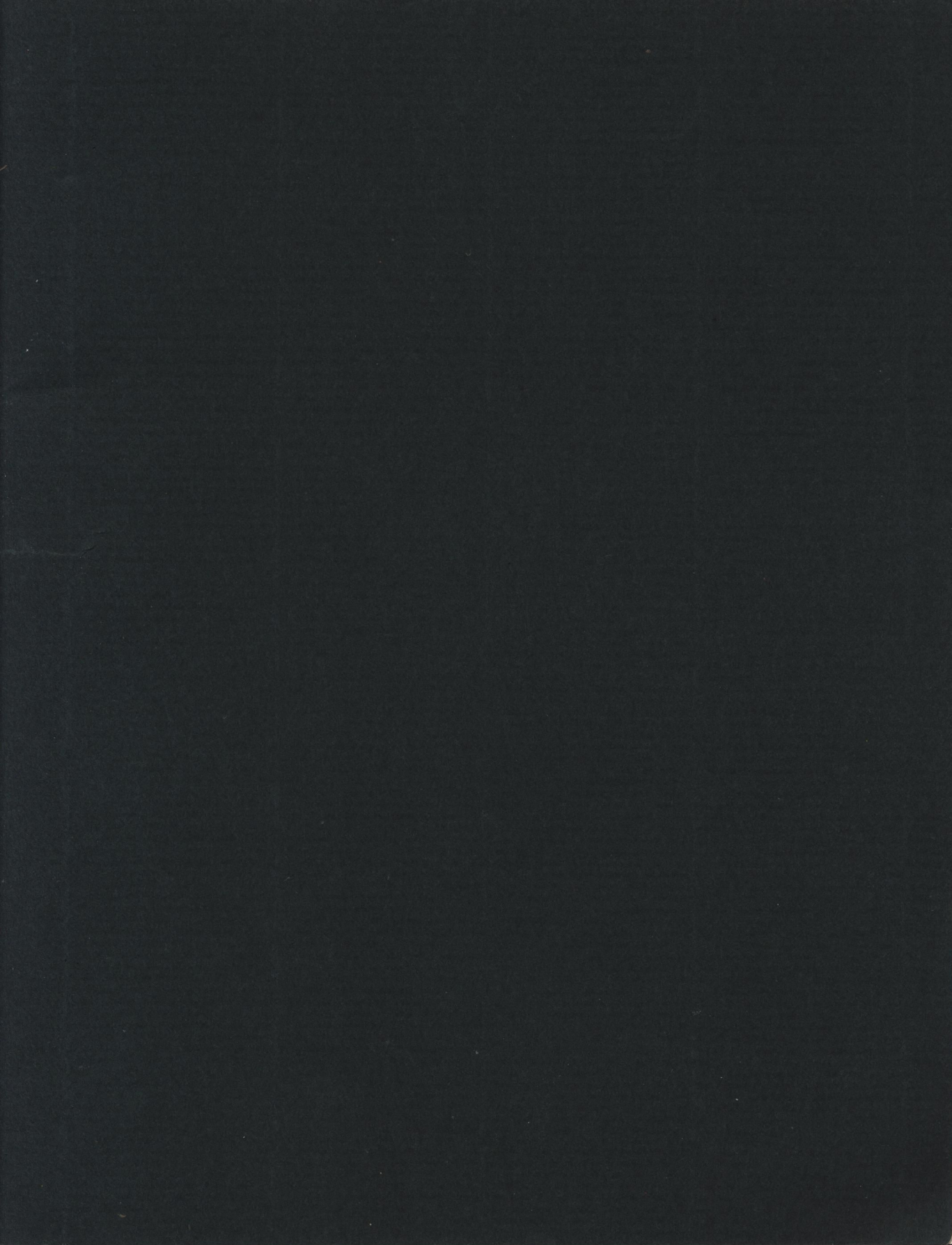


Verona Tools





Verona Tools

Verona Tool Works

Plant

Verona Pa

"Pittsburgh District"

Main Office
PITTSBURGH
Oliver Building

LONDON SAN FRANCISCO

Western Office
CHICAGO
McCormick Bldg.

Established
1873



Catalogue
11



AGENCIES

Boston, Mass.	Denver, Col.
San Francisco, Cal.	St. Paul, Minn.
New York, N. Y.	Toledo, Ohio
Louisville, Ky.	New Orleans, La.
St. Louis, Mo.	Nashville, Tenn.
Richmond, Va.	Montreal, Canada
London, England	



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PAGE No.	CAT. No.		PRICE
28	700	Adzes, Full Head Railroad	Special
28	701	Adzes, Carpenter's Half Head	Special
28	702	Adzes, Special Railroad	Special
28	703	Adzes, Spanish Pattern Round Eye	Special
29	54	Asphalt Cutters (Single Eye)	Per doz. \$ 7.25 net
29	55	Asphalt Cutters (Double Eye)	" " 8.25 "
44	43	Axe, Stone	Per lb. .30 list
20	4	Bars, Claw	" " .12 "
20	84	Bars, Claw	" " .12 "
20	85	Bars, Claw, Double End	" " .12 "
21	80	Bars, R. M. A. Claw	" " .12 "
21	81	Bars, (Goose Neck) Claw	" " .12 "
21	53	Bars, Claw	" " .12 "
23	33	Tamping Bars	" " .12 "
23	33 1/2	Tamping Bars, R. M. A.	" " .12 "
23	86	Tamping Bars, End	Per doz. 6.00 net
22	87	Tamping Bars, Spade End	Per lb. .17 list
22	88	Tamping Bars, Spear End, Solid Handle	" " .20 "
22	88	Tamping Bars, Spear End, Pipe Handle	" " .25 "
22	141	Tamping Bars, Diamond Stone (Patented)	Each 1.50 net
22	331	Tamping Bars, Wood Handle	" " 1.50 "
24	31	Bars, Pinch	Per lb. .10 list
25	89	Bars, Locomotive Pinch	" " .14 "
25	90	Bars, Heel Pinch	" " .12 "
24	32	Bars, Lining	" " .10 "
24	32A	Bars, Lining, Diamond Point	" " .10 "
26	91	Bars, Timber	" " .14 "
26	92	Bars, Buggy	" " .15 "
26	93	Bars, Shackle	" " .20 "
25	94	Bars, Post Hole Digger	" " .12 "
25	95	Bars, Digging Bar	" " .12 "
54	146	Bars, Carpenter	Each .60 net
54	132	Bars, Carpenter	" " .50 "
48	127	Buster, Rivet	Per lb. .30 list
48	128	Button Sets	" " .30 "
48	129	Button Sets	" " .30 "
55	131	Bit, Drill	" " .25 net
61	105	Benders, "Jim Crow," for 16 to 25-pound Rail	Special
61	105	Benders, "Jim Crow," for 25 to 45-pound Rail	Special
61	105	Benders, "Jim Crow," for 45 to 65-pound Rail	Each 12.50 net
61	105	Benders, "Jim Crow," for 65 to 85-pound Rail	" " 15.00 "
61	105	Benders, "Jim Crow," for 85 to 100-pound Rail	" " 16.00 "
62	* 57	Benders, Eccentric, for 16 to 25-pound Rail	" " 25.00 "
62	57	Benders, Eccentric, for 25 to 45-pound Rail	" " 26.00 "
62	57	Benders, Eccentric, for 45 to 65-pound Rail	" " 27.00 "
62	57	Benders, Eccentric, for 65 to 85-pound Rail	" " 28.00 "
62	57	Benders, Eccentric, for 85 to 100-pound Rail	" " 29.00 "
62	57	Benders, Eccentric, for 100 to 120-pound Rail	" " 35.00 "
		*Eccentric Bender fitted for taking out surface bends	Each 35.00 "
62	138	Bender, Eccentric	Each 80.00 "
63	139	Bender, Roller, for 25 to 45-pound Rail	" " 50.00 "
63	139	Bender, Roller, for 45 to 65-pound Rail	" " 70.00 "
63	139	Bender, Roller, for 65 to 85 pound Rail	" " 95.00 "
63	139	Bender, Roller, for 85 to 100-pound Rail	" " 125.00 "
61	704	Samson Style, for 85 to 100-pound Rail	Special
16	1	Chisel, Track	Per lb. .25 list
16	1Q	Chisel, Track	" " .25 "
17	40	Chisel, Cold Cutting	" " .30 "
17	41	Chisel, Hot Cutting	" " .30 "
17	75	Chisel, Foundry	" " .25 "

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PAGE No.	CAT. No.			PRICE
19	78	Chisel, Side	Per lb.	\$0.30 list
19	79	Chisel, Drift Bolt	" "	.30 "
19	401	Chisel, Car Repairers'	" "	.25 "
18	73	Chisel, Hand Chipping	" "	.40 "
18	74	Chisel, Cape	" "	.40 "
18	74A	Chisel, Round Nose or Gouge	" "	.40 "
18	74B	Chisel, Diamond Point	" "	.40 "
19	147	Chisel, Diamond Point Stone	" "	.40 "
19	150	Chisel, Double Hand	" "	.30 "
18	76	Chisel, Broom	Each	.15 net
18	77	Chisel, Air Tool		Special
27	148	Drill, Stone, Double Bit	Per lb.	.25 list
27	149	Drill, Stone, Single Bit	" "	.25 "
55	130	Drift Pins	" "	.25 "
55	131	Drill Bits	" "	.25 net
52	35	Fork, Rail	" "	.15 list
56	1	Gauges, Solid Steel	Per doz.	15.00 net
56	2	Gauges, Pipe Center, Insulated	" "	14.00 "
56	3	Gauges, Pipe Center, Non-insulated	" "	12.00 "
56	4	Gauges, Wood Center	" "	12.00 "
57	5	Gauges, Wood Center, Guard Rail	" "	15.00 "
57	6	Gauges, Wood Center, Radius	" "	18.00 "
57	7	Gauges, Wood Center, Street Railway	" "	24.00 "
58	1	Gauges, Combination Level and Gauge	Each	7.75 list
27	601	Grate Bar Hook	" "	1.50 net
48	126	Gouge, Handle	Per lb.	.30 list
41	8	Hammer, Napping, under 3 lbs.	" "	.25 "
41	8	Hammer, Napping, 3 to 5 lbs.	" "	.20 "
41	8	Hammer, Napping, over 5 lbs.	" "	.16 "
41	10	Hammer, Mason's, under 3 lbs.	" "	.30 "
41	10	Hammer, Mason's, 3 to 5 lbs.	" "	.25 "
41	10	Hammer, Mason's, over 5 lbs.	" "	.20 "
41	11	Hammer, D. F. Stone, under 5 lbs.	" "	.22 "
41	11	Hammer, D. F. Stone, over 5 lbs.	" "	.19 "
42	14	Hammer, Hand Drilling, under 3 lbs.	" "	.25 "
42	14	Hammer, Hand Drilling, 3 to 5 lbs.	" "	.20 "
42	14	Hammer, Hand Drilling, over 5 lbs.	" "	.16 "
42	16	Hammer, Double Face Striking, under 3 lbs.	" "	.25 "
42	16	Hammer, Double Face Striking, 3 to 5 lbs.	" "	.20 "
42	16	Hammer, Double Face Striking, over 5 lbs.	" "	.16 "
42	52	Hammer, Double Face Striking, under 3 lbs.	" "	.25 list
42	52	Hammer, Double Face Striking, 3 to 5 lbs.	" "	.20 "
42	52	Hammer, Double Face Striking, over 5 lbs.	" "	.16 "
42	115	Hammer, Italian or Dago	" "	.40 "
43	109	Hammer, Riveting	" "	.20 "
43	110	Hammer, Riveting	" "	.20 "
43	111	Hammer, Riveting	" "	.20 "
43	112	Hammer, Riveting	" "	.25 "
43	60	Hammer, Blacksmith Hand	" "	.25 "
43	113	Hammer, Engineer's Hammer, S. F., under 3 lbs.	" "	.25 "
43	113	Hammer, Engineer's Hammer, S. F., 3 to 5 lbs.	" "	.20 "
43	114	Hammer, Engineer's Hammer, D. F.	" "	.30 "
44	602	Hammer, Paving	Per doz.	12.00 "
44	116	Hammer, Bricklayer's	" "	12.00 "
		*Hammers weighing under 2 lbs. will be charged as 2 lbs.		
27	601	Hook, Grate Bar	Each	1.50 net
54	133	Hook, Packing	" "	.13 "

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PAGE No.	CAT. No.			PRICE
52	120	Hook, Logging	Per lb.	\$0.09 $\frac{1}{2}$ net
60	0	Jack, Baby Track	Each	5.80 "
60	01	Lifting Pawl	"	.50 "
60	02	Rack Bar	"	1.50 "
60	03	Lever	"	.50 "
60	04	Pawl, Holding	"	.75 "
59	1	Jack, Track	"	8.50 "
		Rack Bar B	"	2.00 "
		Lever C	"	.90 "
		Catch D	"	1.00 "
		Pawl E	"	.75 "
59	2	Jack, Track	"	10.25 "
		Rack Bar B	"	2.25 "
		Lever C	"	1.00 "
		Catch D	"	1.10 "
		Pawl E	"	.90 "
58	1	Level and Gauge, Track, Combination	"	7.75 list
58	2	Level, Track	"	7.75 "
58	3	Level, Track	"	10.00 "
58	119	Level, Track (Step Level Board)	"	2.25 net
30	106	Mattocks	Per doz.	4.50 "
30	107	Mattocks, Prospector's	" "	Special
45	5	Maul, Spike	Per lb.	.16 list
45	6	Maul, Spike	" "	.16 "
45	9	Maul, Coal	" "	.16 "
46	47	Maul, Wood Chopper's	" "	.07 $\frac{1}{2}$ net
46	72	Maul, Wood Chopper's (Oregon Pattern)	" "	.07 $\frac{1}{2}$ "
46	58	Maul, Ship	" "	.22 list
13		Nut Locks Prices on Application.		
31	7	Picks, Clay, 6-lb.	Per doz.	9.00 list
31	7	Picks, Verona Standard, 6 $\frac{1}{2}$ to 7-lb.	" "	10.00 "
31	7	Picks, Clay, 8-lb.	" "	11.00 "
31	7	Picks, Clay, 9-lb.	" "	11.50 "
31	7	Picks, Clay, 10-lb.	" "	12.00 "
32	17	Picks, Diamond Point, Contractor's	" "	10.00 "
32	99	Picks, Rock Pick, 8-lb. Diamond Point	" "	11.00 "
37	97	Picks, Eyeless Clay	" "	14.50 "
31	2	Picks, Tamping, 7 to 8-lb.	" "	12.00 "
31	2	Picks, Tamping, 9-lb.	" "	13.50 "
31	2	Picks, Tamping, 10-lb.	" "	14.00 "
31	2	Picks, Tamping, 11-lb.	" "	14.50 "
32	3	Picks, Tamping, Tee	" "	12.00 "
37	98	Picks, Tamping, Eyeless	" "	15.50 "
37	142	Picks, Tamping, Diamond Stone Pattern	" "	13.00 "
37	143	Picks, Tamping, Eyeless, Diamond Stone Pattern	" "	17.00 "
35	21	Picks, Coal	Per lb.	.25 "
33	22	Picks, Mining, San Juan	"	Special
33	100	Picks, Mining, Langley Pattern	"	Special
33	101	Picks, Yukon Pattern	"	Special
35	24	Picks, Ore Hammer	" "	.20 list
35	62	Picks, Prospector	" "	.25 "
36	49	Picks, Iron Ore Mining, 8-lb.	Per doz.	11.00 "
36	50	Picks, Iron Ore Mining,	Per lb.	.20 "
36	26	Picks, Locomotive, 4-lb.	Per doz.	8.00 "
36	26	Picks, Locomotive, 5-lb.	" "	9.00 "
36	26A	Picks, Locomotive	" "	8.50 "

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PAGE No.	CAT. No.		PRICE
34	23	Picks, Stone, 6-lb.	Per doz. \$12.00 list
34	23	Picks, Stone, 8-lb.	" " 14.00 "
34	25	Picks, Quarry, 8-lb.	" " 14.00 "
34	103	Picks, Concrete	" " 14.00 "
55	135	Picks, Ends	Per lb. .06½ net
49	29	Punch, Track, Square Point	" " .30 list
49	29A	Punch, Tie Plug	" " .30 "
49	36	Punch, Track, Round Point	" " .30 "
49	125	Punch, Backing Out	" " .30 "
55	56	Puller, Spike	" " .50 "
55	130	Pins, Drift	" " .25 "
54	132	Puller, Nail	Each .50 net
54	146	Puller, Nail, Carpenter's Bar	" .60 "
54	133	Packing Hook	" .13 "
54	134	Packing Knives or Paddles	" .15 "
27	600	Rake, Platform	Per lb. .15 list
48	127	Rivet Busters	" " .30 "
39	12	Sledge, Quarry	" " .16 "
39	13	Sledge, Stone	" " .16 "
39	15	Sledge, Double Face Striking	" " .16 "
40	28	Sledge, Blacksmith's	" " .16 "
40	44	Sledge, Ore	" " .16 "
40	108	Sledge, Moulder's	" " .20 "
		All sledges 25 to 40 lbs. 3 cents per lb. net extra.	
44	117	Skutch, Bricklayer's	Per doz. 12.00 "
27	148	Stone Drill, Double Bit	Per lb. .25 "
27	149	Stone Drill, Single Bit	" " .25 "
55	56	Spike Puller	" " .50 "
52	34	Tongs, Rail	" " .20 "
52	34A	Tongs, Tie	" " .20 "
52	120	Tongs, Timber, or Logging Hooks	" " .09½ net
53	66	Tongs, Pick, 18 inches and over	" " .50 list
53	67	Tongs, Gad	" " .40 "
53	68	Tongs, Blacksmith	" " .40 "
53	121	Tongs, Rivet	" " .40 "
53	122	Tongs, Single Pick-up	" " .40 "
53	123	Tongs, Double Pick-up	" " .40 "
50	51	Wrenches, Track, Single End, Round Handle	" " .14 "
50	510	Wrenches, Track, Single End, Flat Handle	" " .14 "
50	511	Wrenches, Construction, Offset	" " .15 "
51	512	Wrenches, Track, Double End, Flat Handle, Straight Pattern	" " .20 "
51	513	Wrenches, Track, Double End, "S" Pattern	" " .22 "
51	516	Wrenches, Socket "T" Handle	" " .25 net
51	517	Wrenches, Socket, Goose Neck	" " .25 "
51	514	Wrenches, Car Repairers, "S" Pattern, 2 lbs. and under	" " .35 list
51	514	Wrenches, Car Repairers, "S" Pattern, over 2 and up to 5 lbs.	" " .23 "
51	514	Wrenches, Car Repairers, "S" Pattern, over 5 lbs.	" " .22 "
50	118	Wrenches, Alligator, 2	Per doz. 12.00 "
50	118	Wrenches, Alligator, 3	" " 24.00 "
50	118	Wrenches, Alligator, 4	" " 36.00 "
50	118	Wrenches, Alligator, 5	" " 60.00 "
47	27	Wedges, Wood Choppers	Per lb. .06 net
47	70	Wedges, Wood Choppers	" " .06 "
47	70A	Wedges, Falling	" " .06 "
47	71	Wedges, Wood Choppers, Oregon Pattern	" " .06 "
47	30	Wedges, Stone, under 3 lbs.	" " .05 "
47	30	Wedges, Stone, over 3 lbs.	" " .04 "

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The above trade mark is a combination of the three letters — V T W — Verona Tool Works. We place this trade mark on every tool. Look for this mark on your tools. It is your protection against an inferior article.



THIS is the chemical laboratory of the Verona Tool Works, where the specifications for the steel from which Verona track tools and nut locks are not only formulated, but where each lot of steel is analyzed before working and in order to know that it is in accordance with the specifications.

The Verona Tool Works is the only concern in the track tool industry that maintains its own facilities for steel analysis.

It is just this spirit of precaution, taking pains, that produces and uniformly maintains the quality of Verona Track Tools and Nut Locks.



VERONA NUT LOCKS

THE full value of a nut lock is not only the initial activity of the spring, but its permanent activity.

The initial and permanent activity in Verona Nut Locks has been attained and maintained by research and experience in obtaining the right steel formula, together with precaution for uniformity of the steel and tempering, and a test of every individual Verona Nut Lock on completion.

The formula used by the Verona Tool Works in the production of its nut locks is known as the Pennsylvania Spring Steel analysis, which is as follows:

Carbon90 to 1.10
Phosphorus.	below .04
Sulphur	" .04
Silicon	" .10
Manganese35 to .50

This produces a high carbon spring steel and each heat is analyzed for uniformity in the Verona Tool Works' own laboratory before it is worked.

The coiling, tempering and drawing of Verona Nut Locks are by three separate heats in especially constructed furnaces, together with temperature regulating devices for the uniformity of these heats.

These furnaces and their temperature regulating devices have been a development, an evolution, during 35 years of nut lock production in the Verona plant.

The tempering of Verona Nut Locks is obviously done in oil, and on completion each nut lock is given a compression test of from 2,000 to 6,000 pounds in a specially devised testing machine, and all that do not retain their elasticity after this test are scrapped. The name Verona on a package of Verona Nut Locks is an indication that the defective ones have gone into the maker's scrap heap and that none will go into the purchaser's scrap heap.



The fact that Verona Nut Locks retain their spring activity after long compression was proved a few years ago by one of the Trans-Continental railroads when it removed 45,000 Verona Nut Locks from an old section of a track and all but forty were used again in new work.

The Verona Tool Works was the first to manufacture nut locks of the spring type, the patent having been purchased in England in 1875, and since that time more than three-quarters of a billion have been purchased for railroad construction work exclusively.

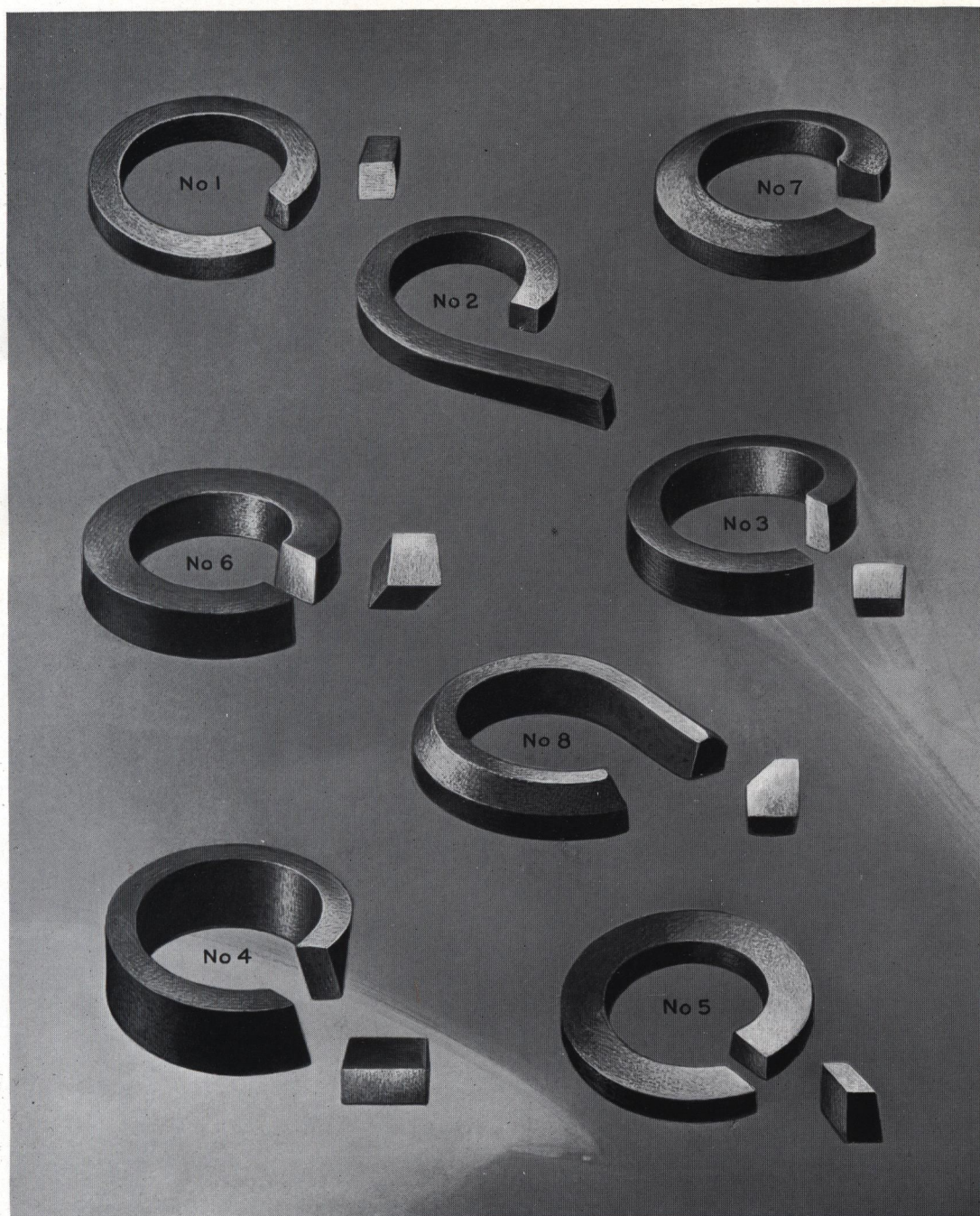
Verona Nut Locks are sold on their quality, their economy and efficiency, and every lot is 100 per cent. serviceable.

NUT LOCKS

- No. 1. Regular pattern. Made in sizes from $\frac{3}{8}$ to 2 inches.
- No. 2. Tail pattern. Made in sizes from $\frac{3}{4}$ to $1\frac{1}{4}$ inches.
- No. 3. Medium wide— $\frac{3}{8}$ x $\frac{1}{4}$ -inch steel. Coiled flat. Made in sizes from $\frac{3}{4}$ to $1\frac{1}{4}$ inches.
- No. 4. Wide pattern for frogs and switches— $\frac{5}{8}$ x $\frac{1}{4}$ -inch steel. Made in sizes from $\frac{3}{4}$ to $1\frac{1}{4}$ inches.
- No. 5. Broad or parallel pattern. Made of Keystone-shape steel. Made in sizes from $\frac{3}{4}$ to $1\frac{1}{4}$ inches.
- No. 6. $\frac{3}{8}$ -inch square. High tension. Made of Keystone-shape steel. Made in sizes from $\frac{3}{4}$ -inch up.
- No. 7. Ribbed pattern. Made in sizes from $\frac{3}{8}$ -inch up.
- No. 8. Bevelled Tail Nut Lock for 100 per cent. rail joint.

All Nuts tempered in oil and tested separately.

- No. 6. $\frac{3}{8}$ -inch square—takes the greatest legitimate compression test of any nut made.



The various sizes and types of Verona Nut Locks for every possible general requirement.



VERONA TRACK TOOLS

THERE are no secrets in the quality production of Verona Track Tools, except taking pains—a care and attention for details that are ordinarily not thought necessary.

Aside from the steel formulas, the perfection of Verona tools has been in perfecting a human organization; for it is very easy to ruin the very best of steel in heat treatment.

A permanent human organization has been necessary, the personality of the active worker in the Verona Tool Works is not shifting as in most industries.

The family spirit exists in the Verona plant; for there are men who have spent their active life time in it, and the time of the average worker is possibly twenty-five years; there are several cases of three generations of one family at work in the plant, and most of the men own their own homes.

Aside from a liberal policy in the matter of compensation and working hours, the Verona plant maintains a pension system at its own expense; for it is the idea of the executives that a man's full efficiency is with peace of mind, not only in the matter of immediate requirements, but for those of old age.

Nearly every man in the Verona plant is making his a life job by taking pride in the product.

The whole object in developing this spirit has been one on the part of the executives to produce better work rather than more work.

The steel from which Verona Track Tools are made is produced from a special specification.

All Verona Steel is produced by standard steel making concerns, which absolutely prevents the purchase of any job lots of steel.




The Verona Tool Works is the only track tool plant that maintains its own testing laboratory for analyzing all steel before it is worked.

All tools are inspected between each process, and any that show the slightest defect in heat treatment or forming are rejected by the inspectors.

A defective tool has never knowingly left the Verona plant.

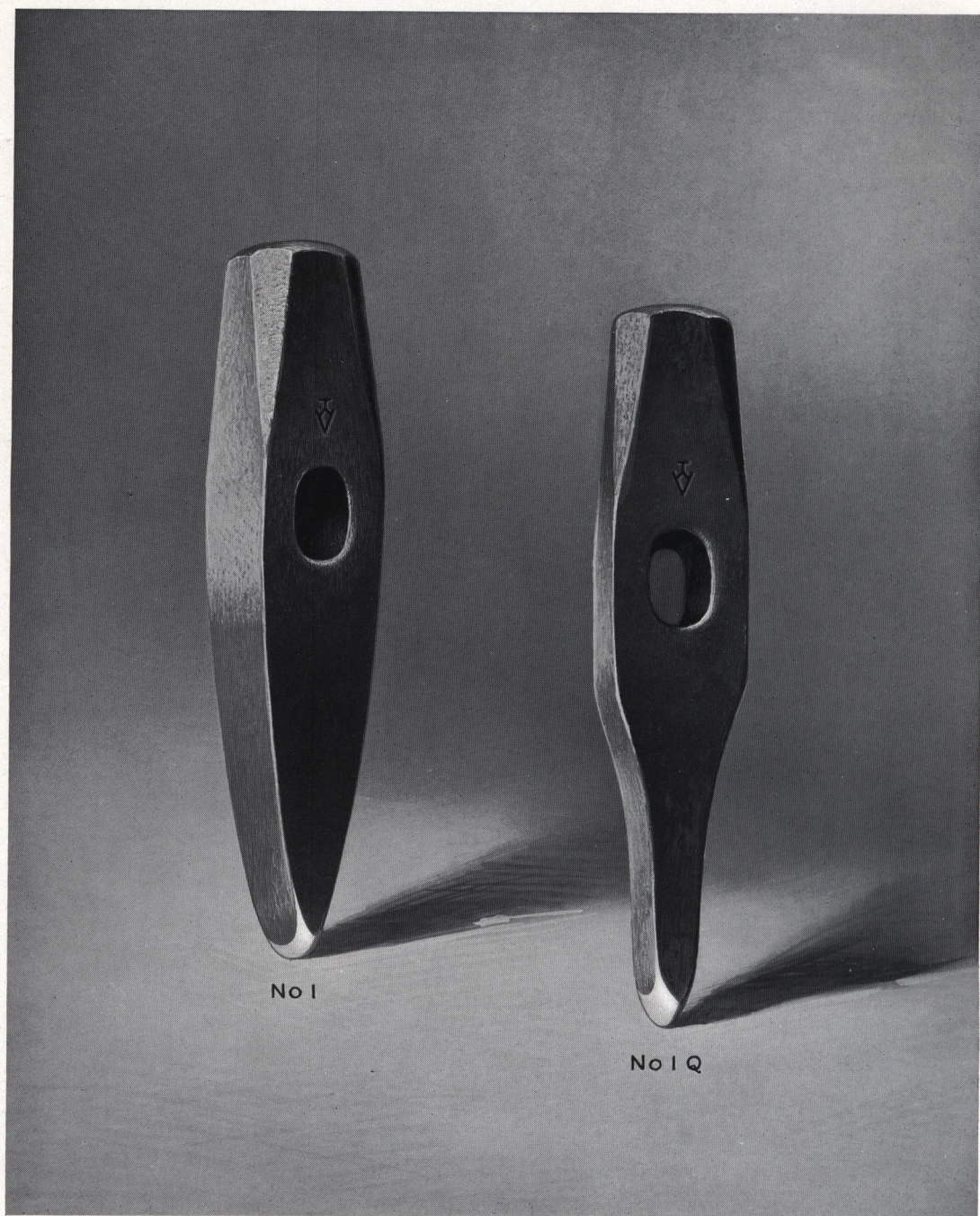
It has been the observation of those in the Sales Department of the Verona Tool Works that the efficiency of a trackman begins with efficient tools; that indifferent workmen have been made quality workmen by the use and the very association with quality tools.

It has also been the observation of the Sales Department that the man who actually uses a track tool oft-times knows more about it than the man who selects it or pays for it. If anyone will ask a group of experienced trackmen their favorite track tools, they will invariably point to the ones with the Verona trade-mark—

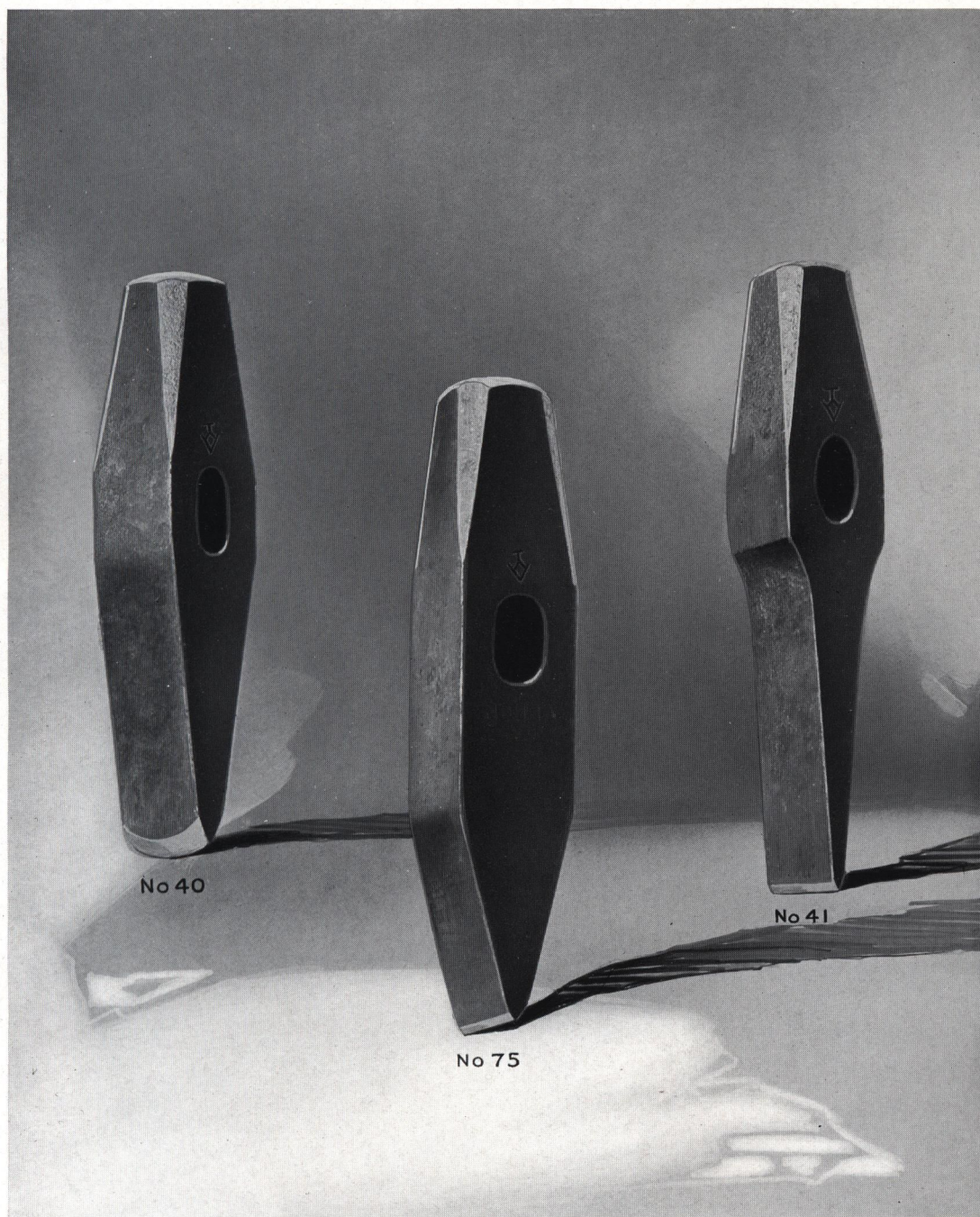
Verona Track Tools will pay for themselves many times over before they are scrapped. They will pay for themselves by their use and even under abuse.

It is the purchaser, the user, who makes the real profit from Verona Track Tools by their long life — more profit than the maker.

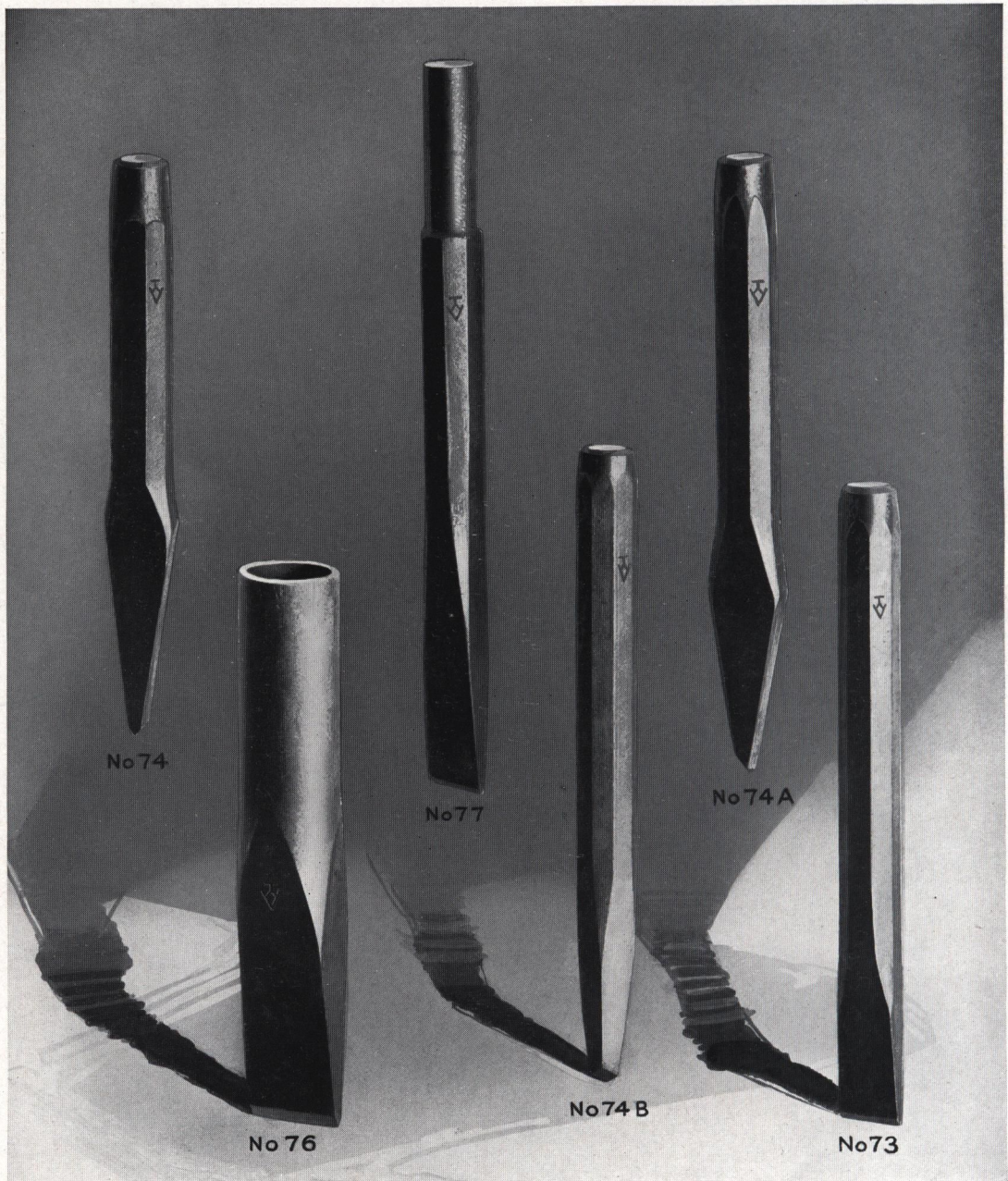
The first cost of Verona Tools is not a consideration if you consider final economy — real economy.



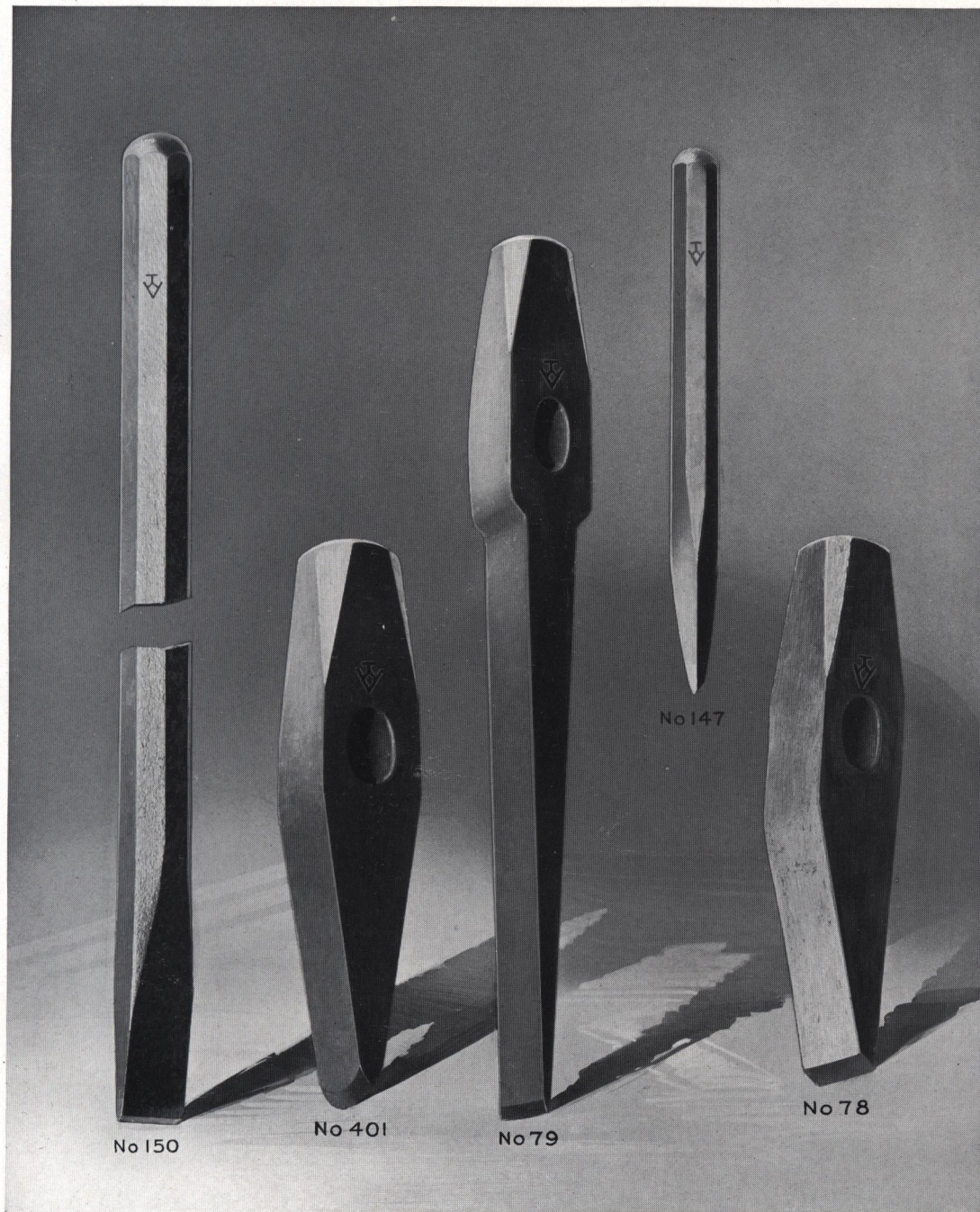
No. 1. Track Chisel for cutting rails. Standard weight $5\frac{1}{4}$ pounds. Made of special steel, heat treated.
No. 1Q. Track Chisel for cutting rails. Standard weight $5\frac{1}{4}$ pounds. Made of special steel, heat treated.



- No. 40. Cold Cutting Chisel, for cutting iron and steel. Standard weight 3 pounds.
No. 75. Foundry Chisel, for foundry use. Standard weight 6 pounds.
No. 41. Hot Cutting Chisel. Standard weight $2\frac{1}{2}$ pounds.
Made of special steel, heat treated.



- No. 74. Cape Chisel. Made any length. Standard size $\frac{3}{4}$ x 8 inches, weight $\frac{3}{4}$ pound.
No. 76. Broom Chisel, for cleaning frogs and crossings.
No. 77. Air Tool Chipping Chisel, for pneumatic hammer.
No. 74B. Diamond Point Chisel. Made any length. Standard size $\frac{3}{4}$ x 8 inches, weight 1 pound.
No. 74A. Round Nose Chisel or Gouge. Made any length. Standard size $\frac{3}{4}$ x 8 inches, weight $\frac{3}{4}$ pound.
No. 73. Hand Chipping Chisel. Made any length. Standard sizes, $\frac{3}{4}$ x 8 inches, weight 1 pound; $\frac{7}{8}$ x 9 inches, weight $1\frac{1}{2}$ pounds. All made of special steel, heat treated.



- No. 150. Double Hand Chisel. Standard size $1\frac{1}{8}$ or $1\frac{1}{4}$ inches, octagon. Any length desired.
No. 401. Car Chisel, for cutting rivets in repairing steel cars. Standard weight $5\frac{1}{4}$ pounds.
No. 79. Drift Bolt Chisel for cutting bolts. Standard weight 5 pounds.
No. 147. Diamond Point Chisel, for stone work. Standard size $\frac{3}{4}$ x 9 inches.
No. 78. Side Chisel, for cutting rivets. Standard weight $4\frac{1}{2}$ pounds. All made of special steel, heat treated.



- No. 84. Claw Bar (goose neck). Weight about 30 pounds. Carefully tempered.
No. 4. Claw Bar. Weight about 30 pounds. Carefully tempered.
No. 85. Double End Claw Bar; one end for boat spikes, other end for railroad spikes. Carefully tempered.



- No. 80. R. M. A. Claw Bar, adopted by R. M. A. Committee on Bars. Weight about 30 pounds. Carefully tempered.
- No. 53. Claw Bar. Weight about 29 pounds. Carefully tempered.
- No. 81. Nelson Claw Bar (GOOSE NECK). Weight about 29 pounds. Carefully tempered.



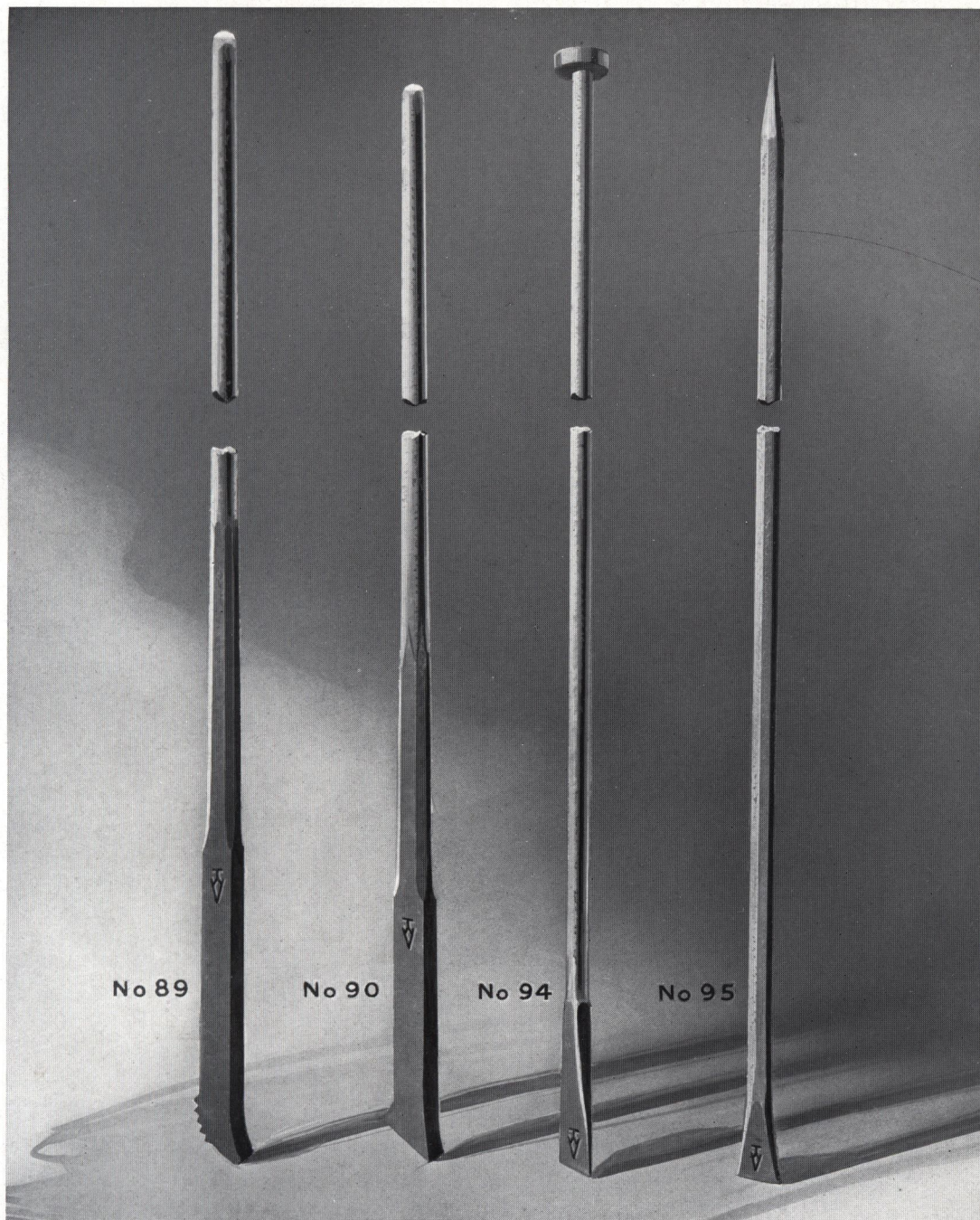
- No. 87. Spade End Tamping Bar. Weight 15 pounds
No. 88. Spear End Tamping Bar. Either pipe or solid handle, as desired; weight pipe handle 12 pounds, solid handle 15 pounds.
No. 141. Diamond Stone Tamping Bar, patented. Designed for stone ballast. Weight 17 pounds.
No. 331. Wood Handle Tamping Bar. With steel shoe for street railway use.



No. 33. Tamping Bar. Weight 13 pounds.
No. 33½. R. M. A. Tamping Bar, (RECOMMENDED BY COMMITTEE R. M. A.). Weight 13 pounds.
No. 86. End Tamping Bar. Made of spring steel.



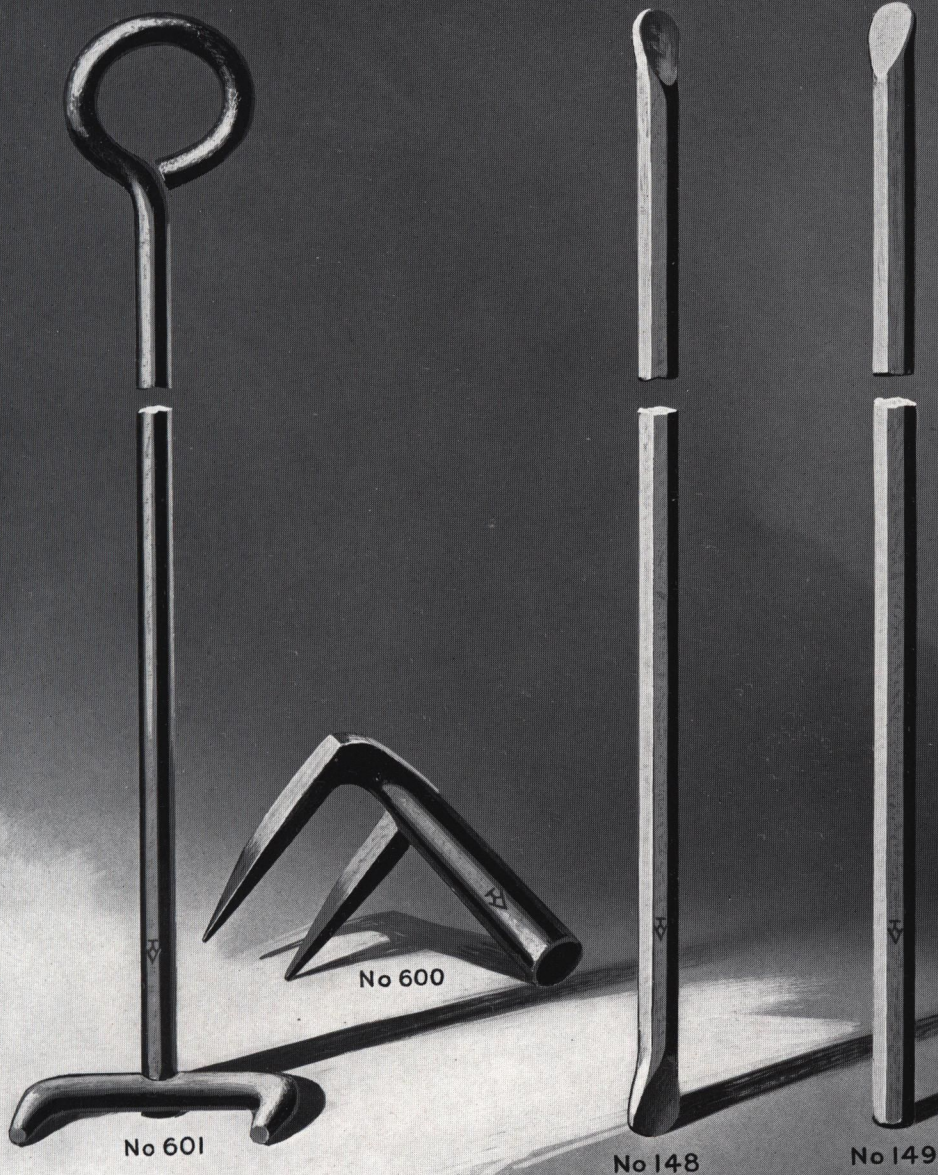
- No. 31. Pinch Bar. Made any weight, standard weight 26 pounds.
No. 32. Lining Bar. Made any weight, standard weight 26 pounds.
No. 32A. Lining Bar (diamond point). Made any weight, standard weight 26 pounds.



- No. 89. Locomotive Pinch Bar or Car Pusher. Length 7 feet. Teeth machine cut. Carefully tempered. Weight 38 pounds.
No. 90. Heel Pinch Bar. Length 5 feet 6 inches. Weight 29 pounds.
No. 94. Post Hole Diggers. Made any length or size.
No. 95. Digging Bar. Made any length or size.



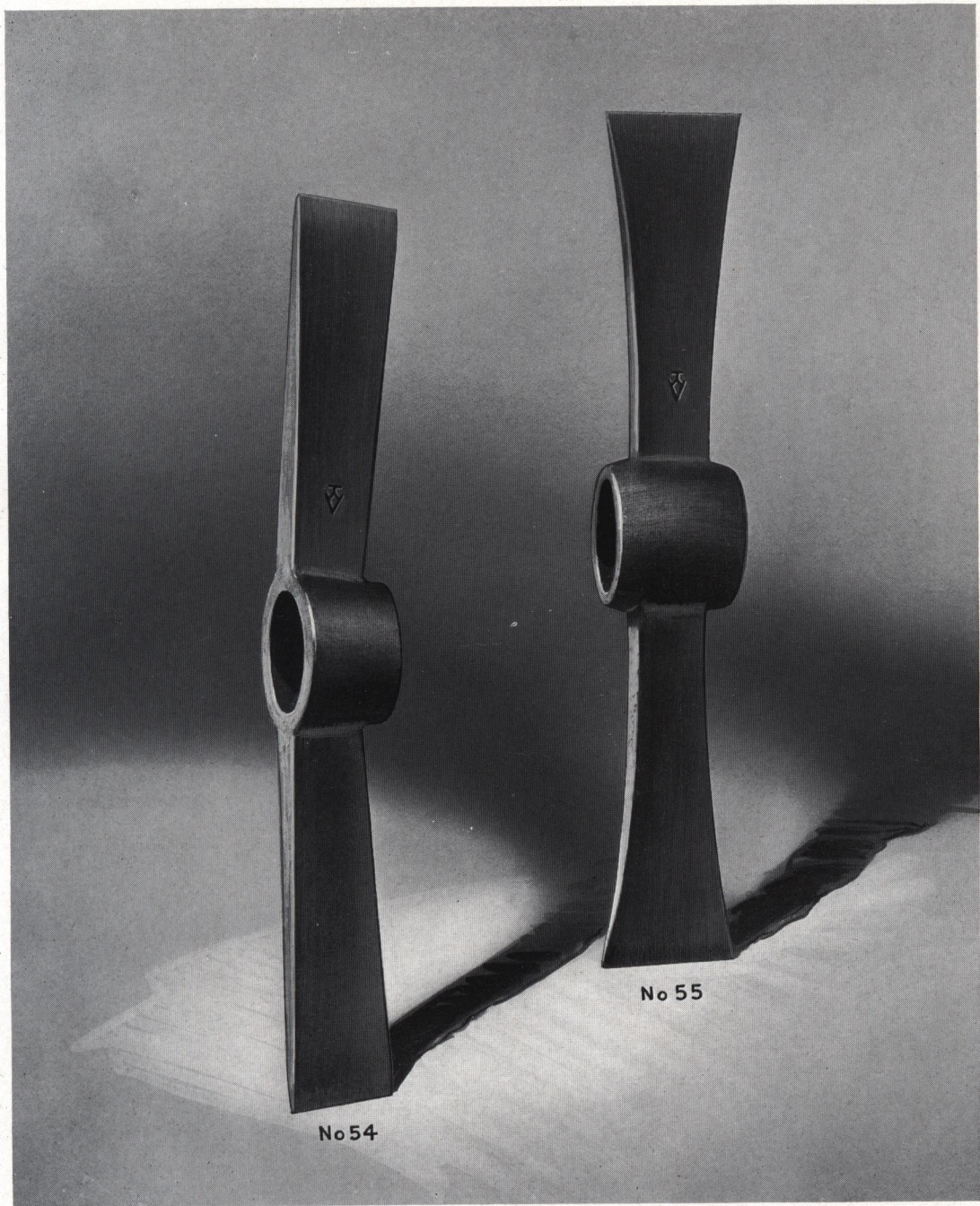
- No. 91. Timber Bar, diamond and chisel point. Standard size $1\frac{1}{8}$ inches by 5 feet. Weight 17 pounds.
No. 92. Buggy Bar. Standard, size $\frac{7}{8}$ inch by 36 inches. Weight 6 pounds.
No. 93. Shackle Bar. Length $5\frac{1}{2}$ feet. Weight 29 pounds.



- No. 601. Grate Bar Hook. For use on engines.
No. 600. Platform Rakes.
No. 148. Stone Drill, double bit. Made of special steel.
No. 149. Stone Drill, single bit. Made of special steel.
Give size and length desired.



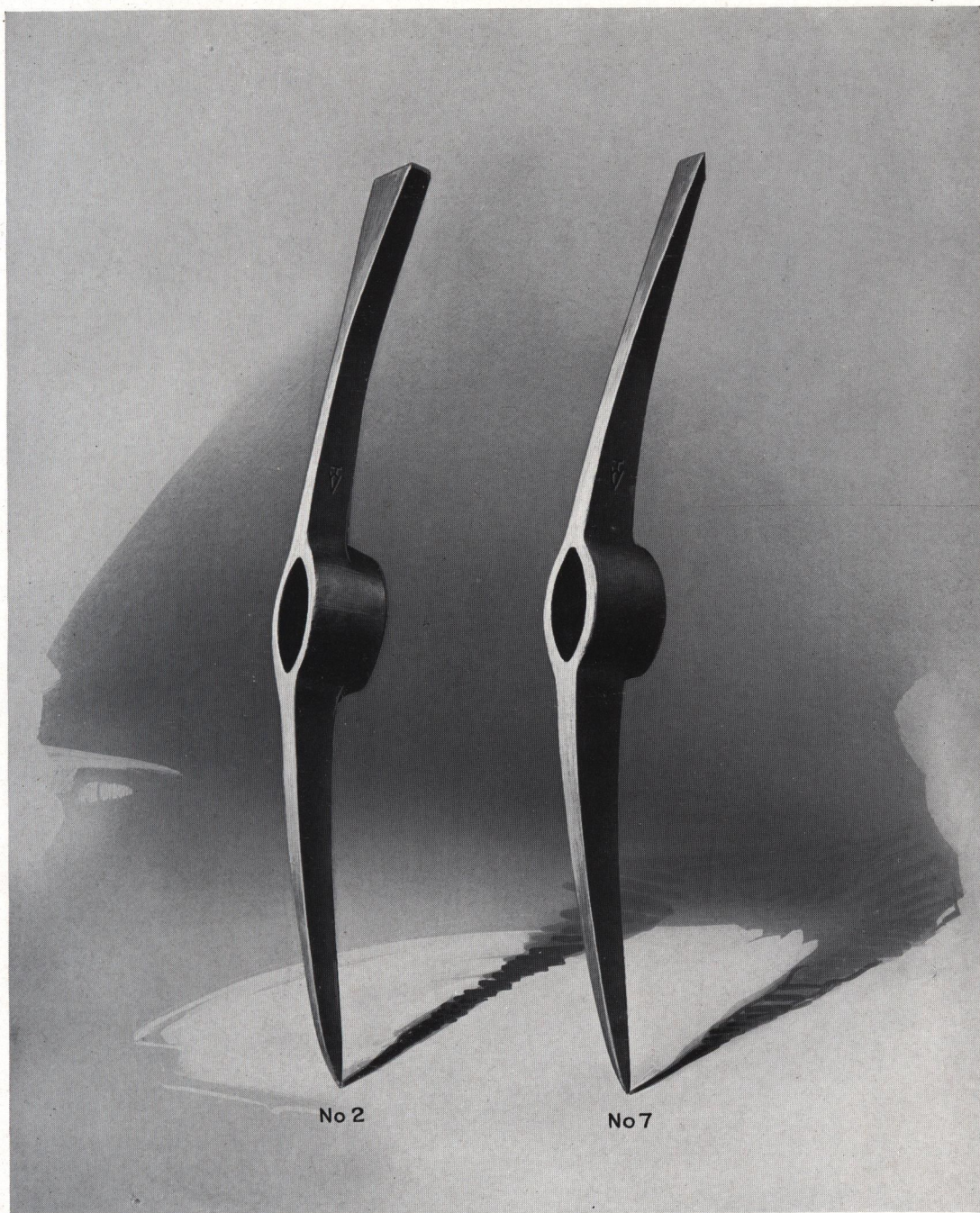
- No. 702. Adze. Special for railroad work—CLAY PICK EYE, round pole end, 4 to 6-inch bit.
No. 700. Adze. Full Head, $3\frac{1}{2}$ to 6-inch bit.
No. 703. Adze. Spanish pattern, 4 to 6-inch bit.
No. 701. Adze. Carpenters' half head, $3\frac{1}{2}$ to $5\frac{1}{2}$ -inch bit.
Adzes made of solid steel, oil tempered.



No. 54. Asphalt Cutters (single eye). Weight 9½ pounds. Specially tempered.
No. 55. Asphalt Cutters (double eye). Weight 10 pounds. Specially tempered.



No. 106. Mattocks (solid steel). Long or short cutter.
No. 107. Mattocks (Verona pattern), Prospectors'. Weight about 3 pounds.



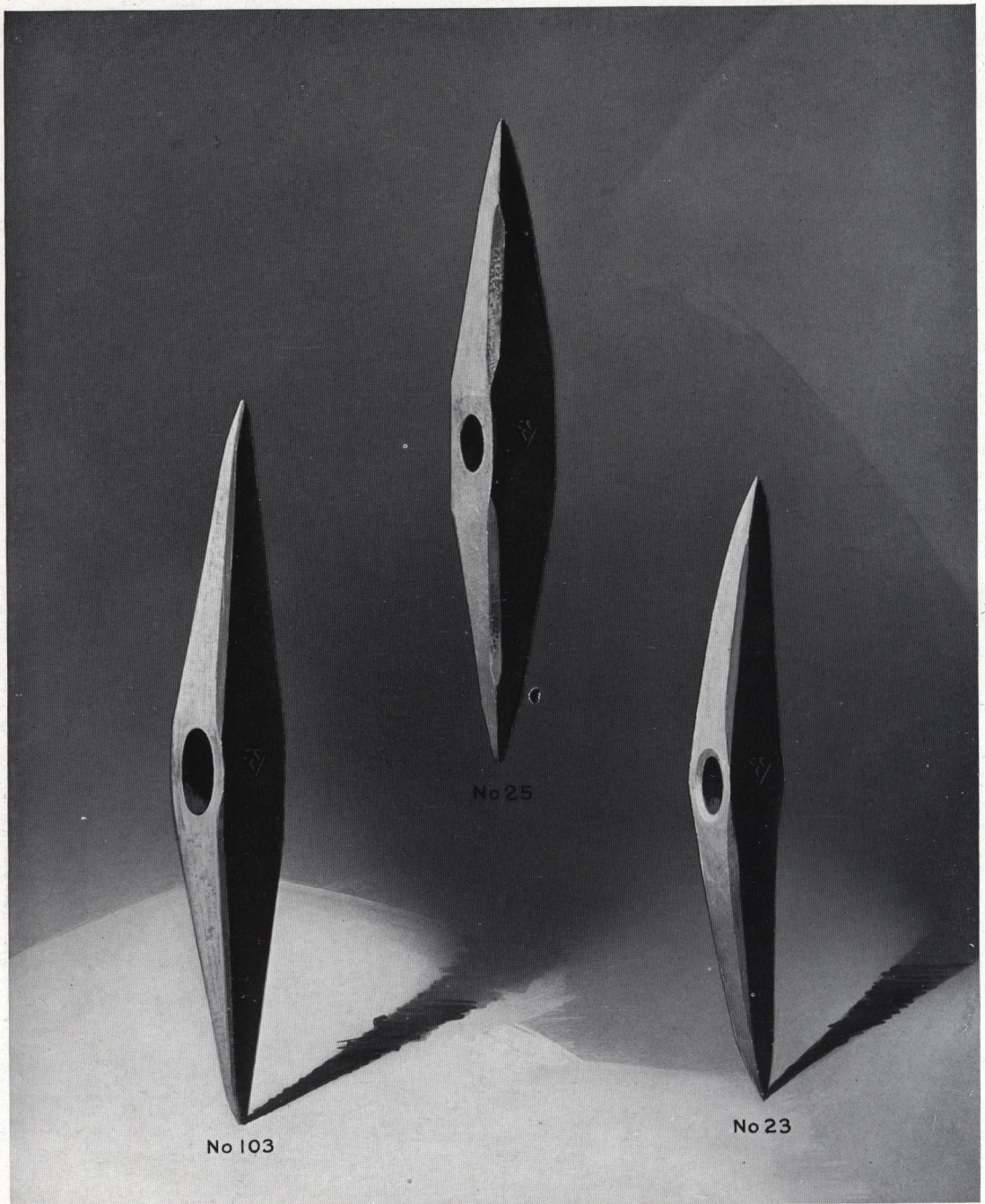
No. 2. Tamping Pick (V Tamper). Standard weight $7\frac{1}{2}$ to 8 pounds.
No. 7. Clay Pick. Standard weight $6\frac{1}{2}$ to 7 pounds.
Picks made of best grade open hearth steel. Specially tempered.



- No. 3. Tamping Pick (T TAMPER). Standard weight $7\frac{1}{2}$ to 8 pounds. Specially tempered.
No. 17. Contractors' Pick (DIAMOND POINT). Standard weight 7 pounds. Specially tempered.
No. 99. Rock Pick (DIAMOND POINT). Standard weight 8 pounds. Specially tempered.



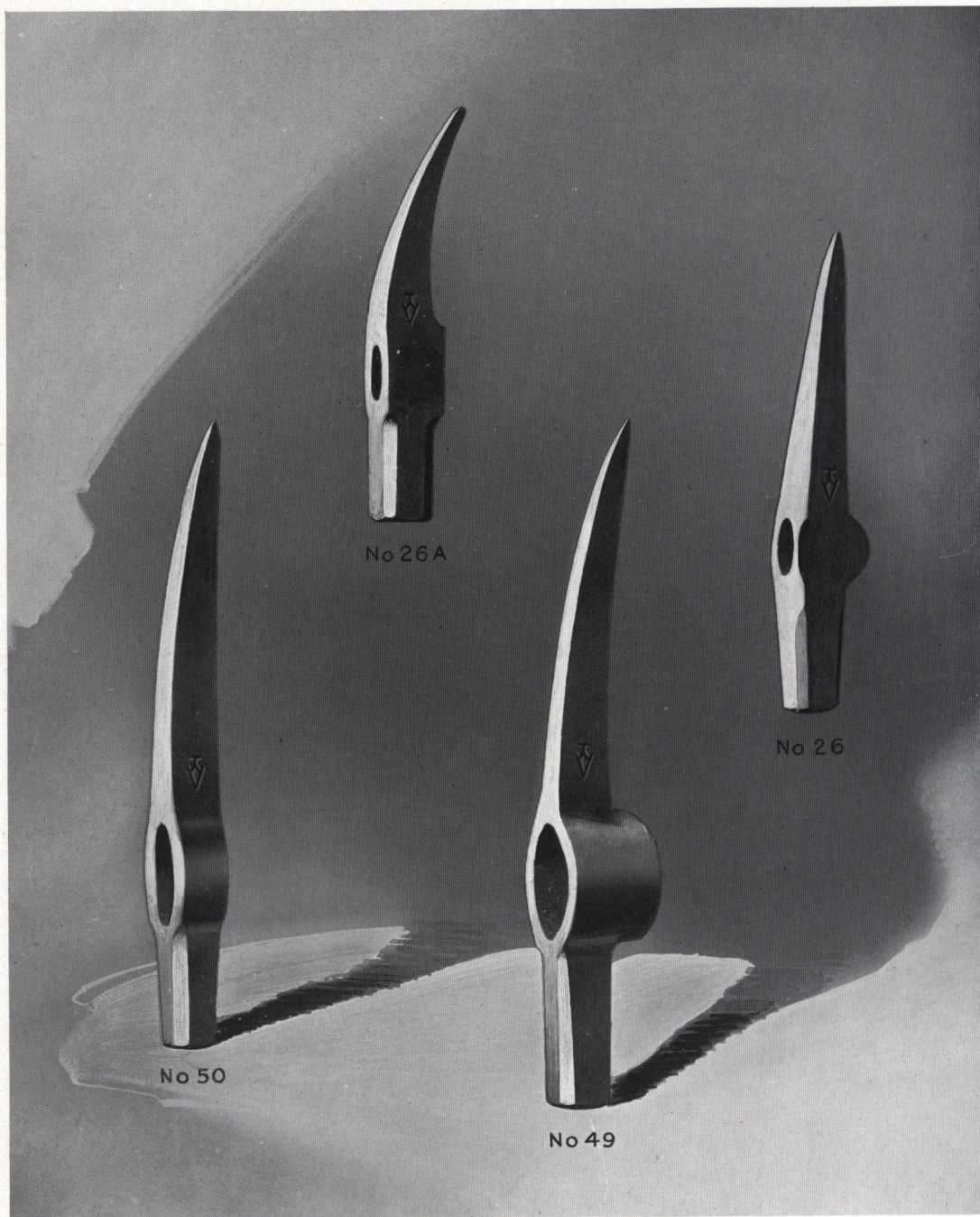
- No. 22. San Juan Mining Pick. Made any weight desired.
No. 100. Mining Pick (Langley pattern). Made any weight desired.
No. 101. Mining Pick (Yukon pattern). Made any weight desired.
These picks made of special steel, heat treated.



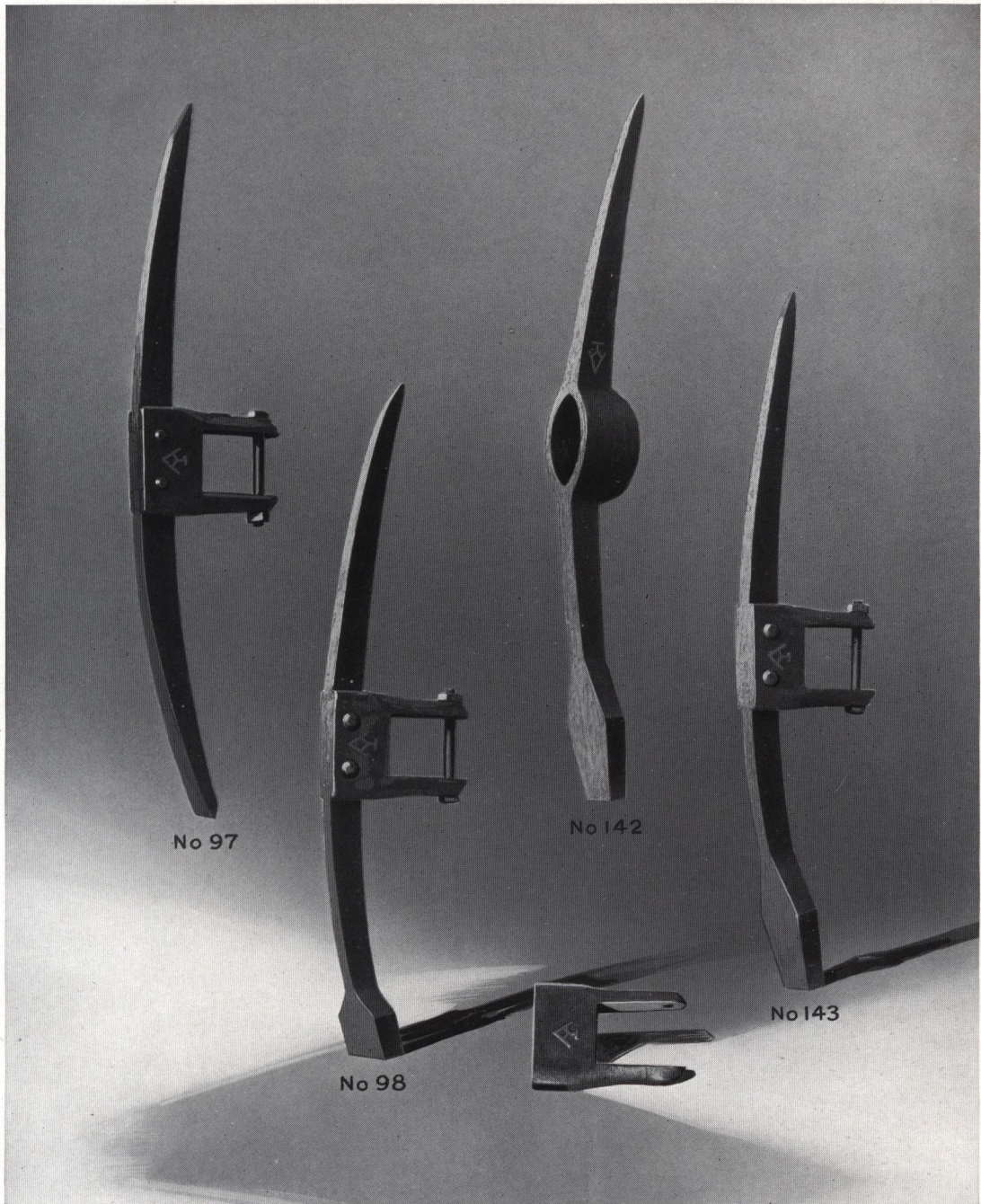
No. 103. Concrete Pick. Standard weight 8 pounds.
No. 25. Quarry Pick. Standard weight 8 pounds.
No. 23. Stone Pick. Standard weight 8 pounds.
These picks made of special steel, heat treated.



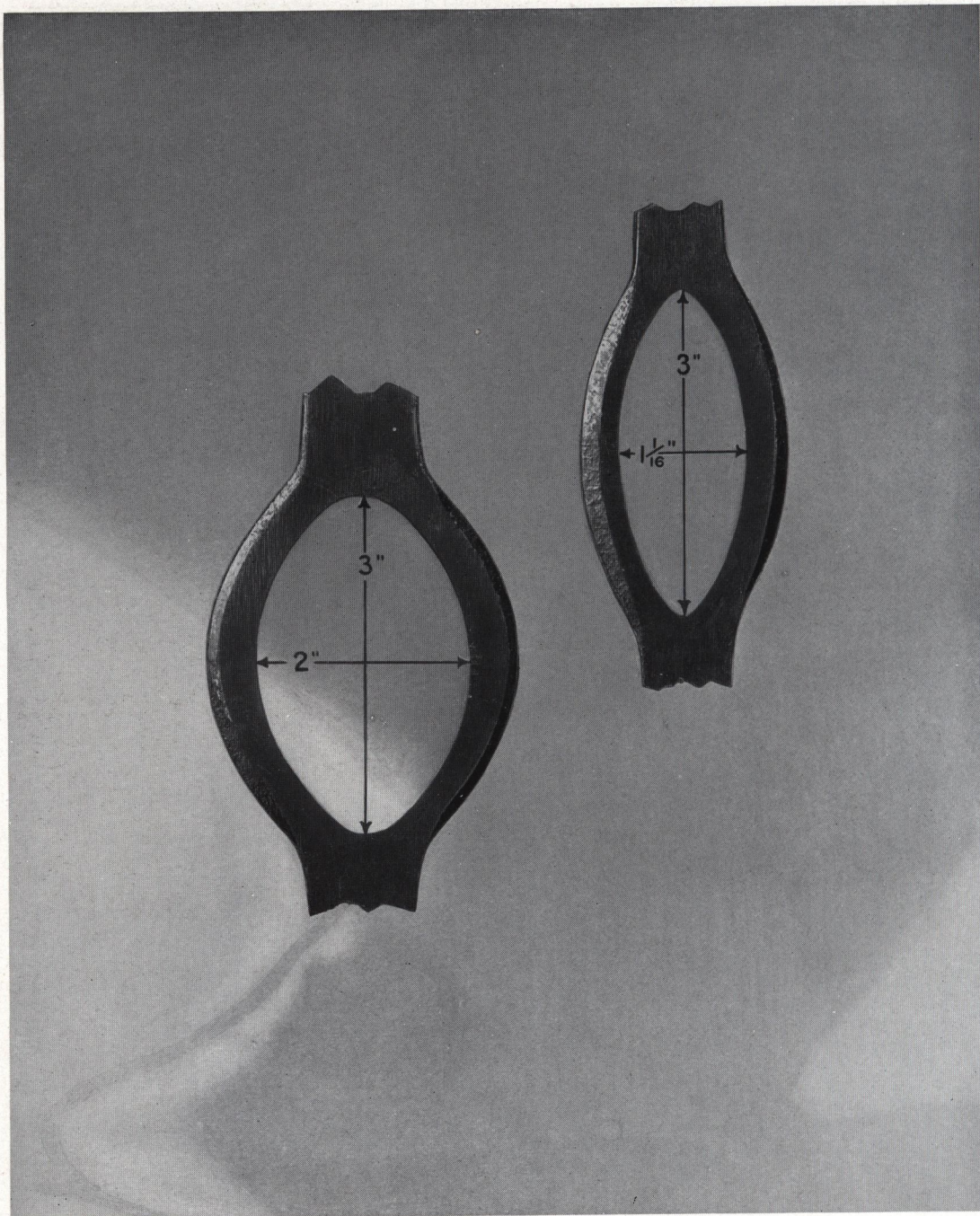
- No. 24. Ore Hammer Pick. Made any weight desired. Standard weight 5 pounds.
No. 21. Coal Pick. Made any weight desired.
No. 62. Prospectors' Pick. Made any weight desired. Standard weight 3 pounds.



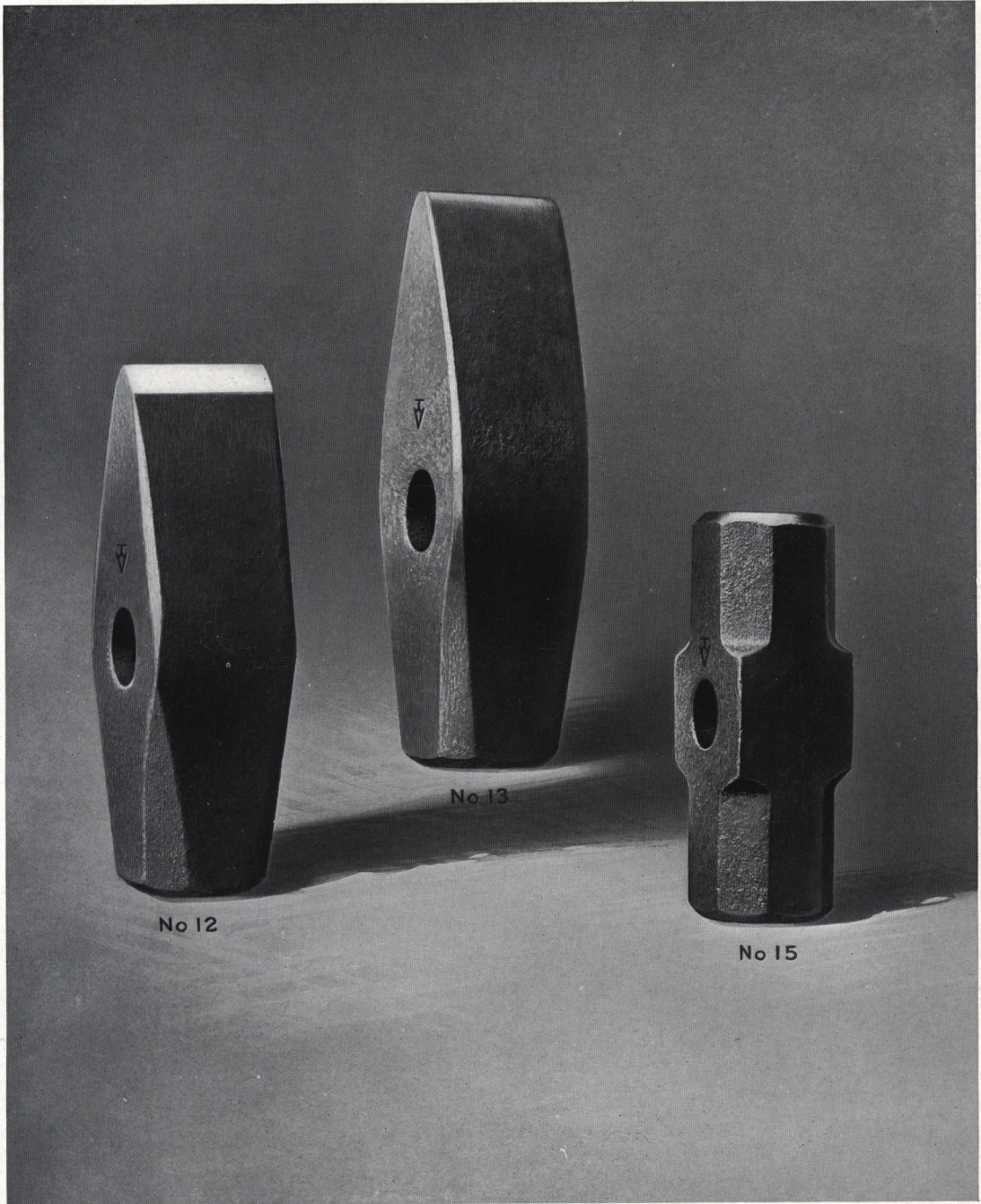
- No. 50. Iron Ore Pick. Standard Weights 5, 6, 7 pounds.
No. 26A. Locomotive Pick. Standard weight 4 pounds.
No. 49. Iron Ore Mining Pick. Standard weight 8 pounds.
No. 26. Locomotive Pick. Made from 4 pounds up. Standard weight 5 pounds.



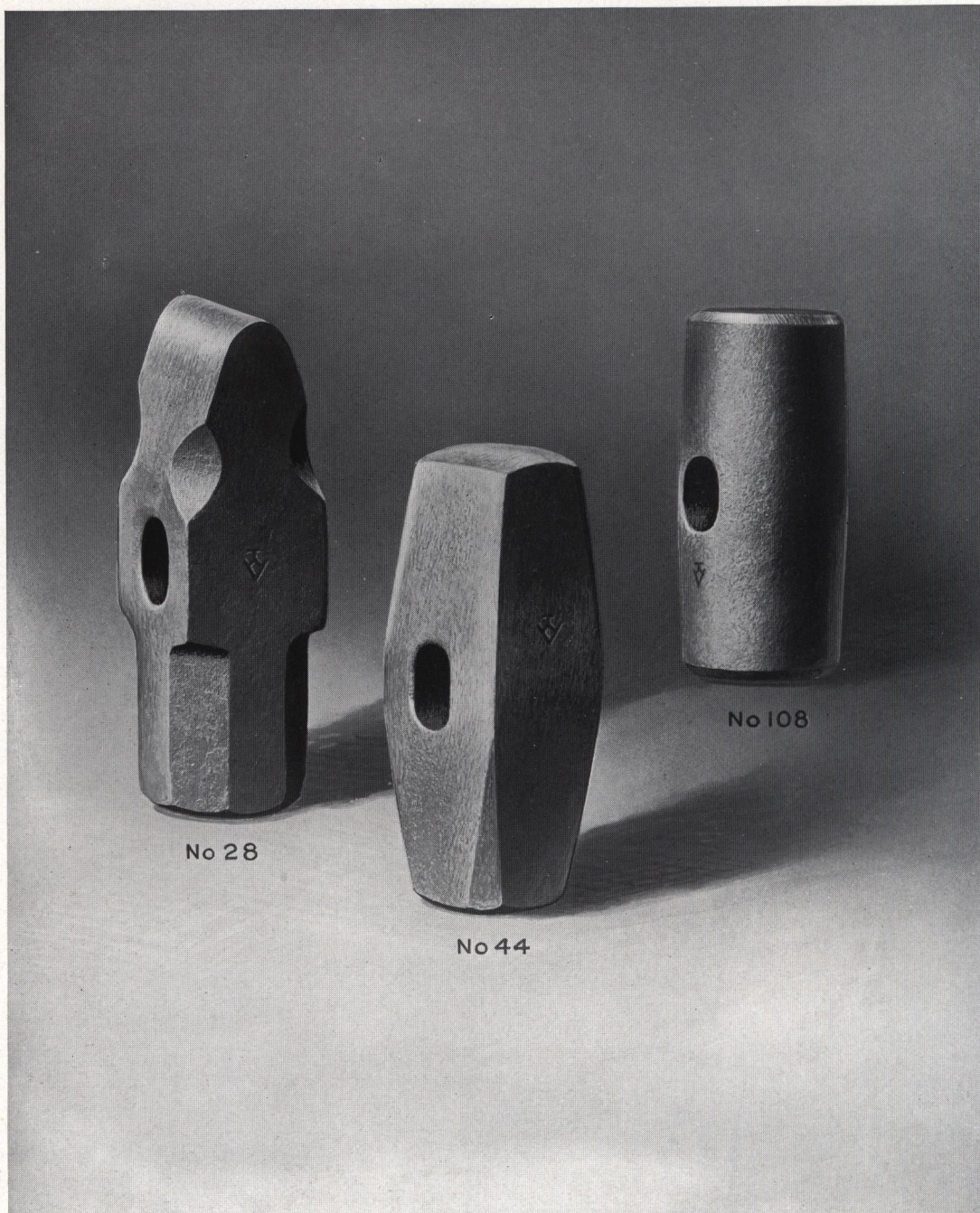
- No. 97. Eyeless Clay Pick. Casting malleable iron cast in one piece.
No. 98. Eyeless Tamping Pick. Casting malleable iron cast in one piece. Either V or T ends as desired.
No. 142. Diamond Stone Tamping Pick, patented. Designed for tamping stone ballast.
No. 143. Diamond Stone Tamping Pick, eyeless (patented). Designed for tamping stone ballast.
Picks made of best grade open hearth steel.



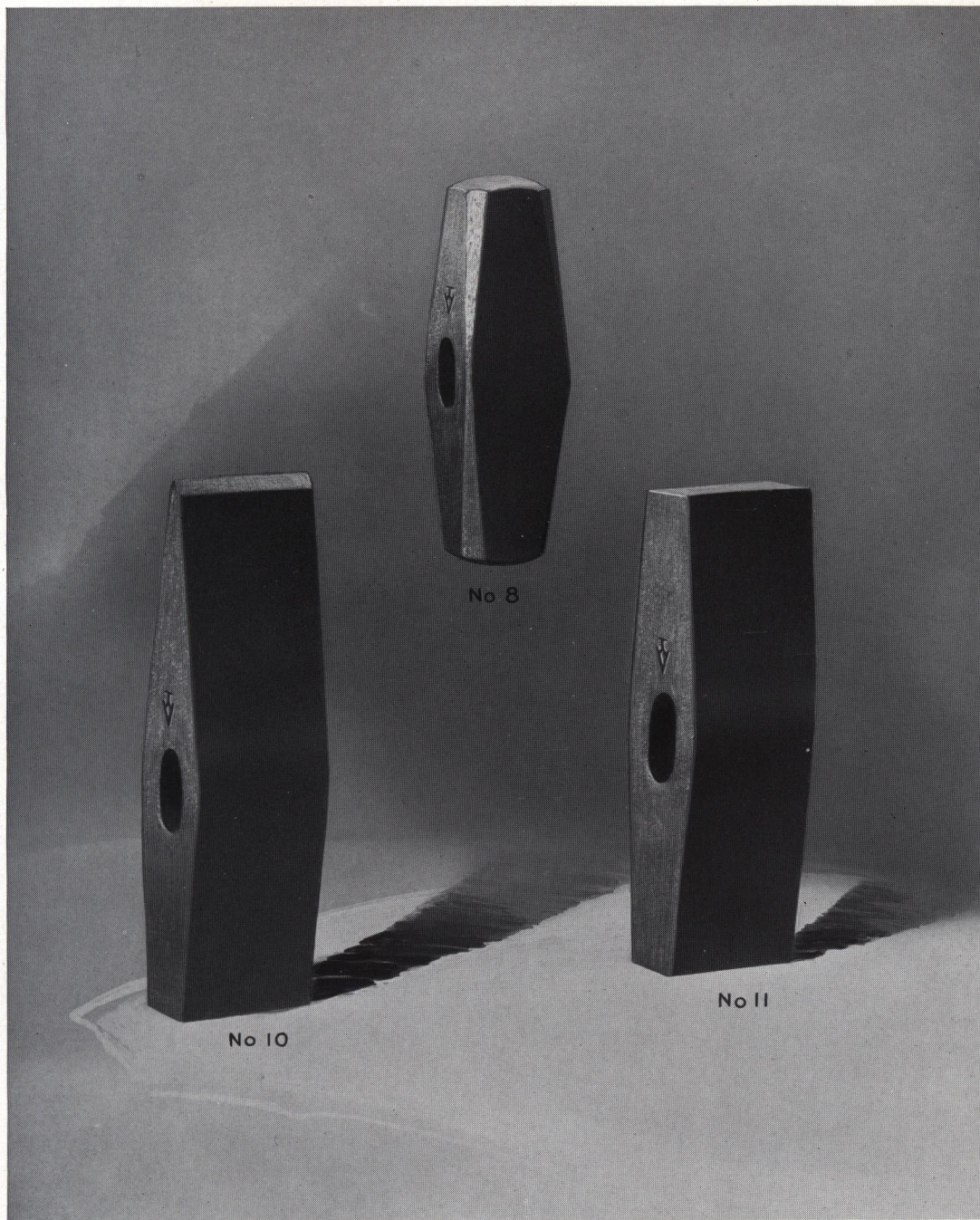
- A. This style eye used in Nos. 2, 3, 7, 17, 49, 54, 55, 99, 106, 142.
B. This style eye used in Nos. 22, 24, 100, 101.



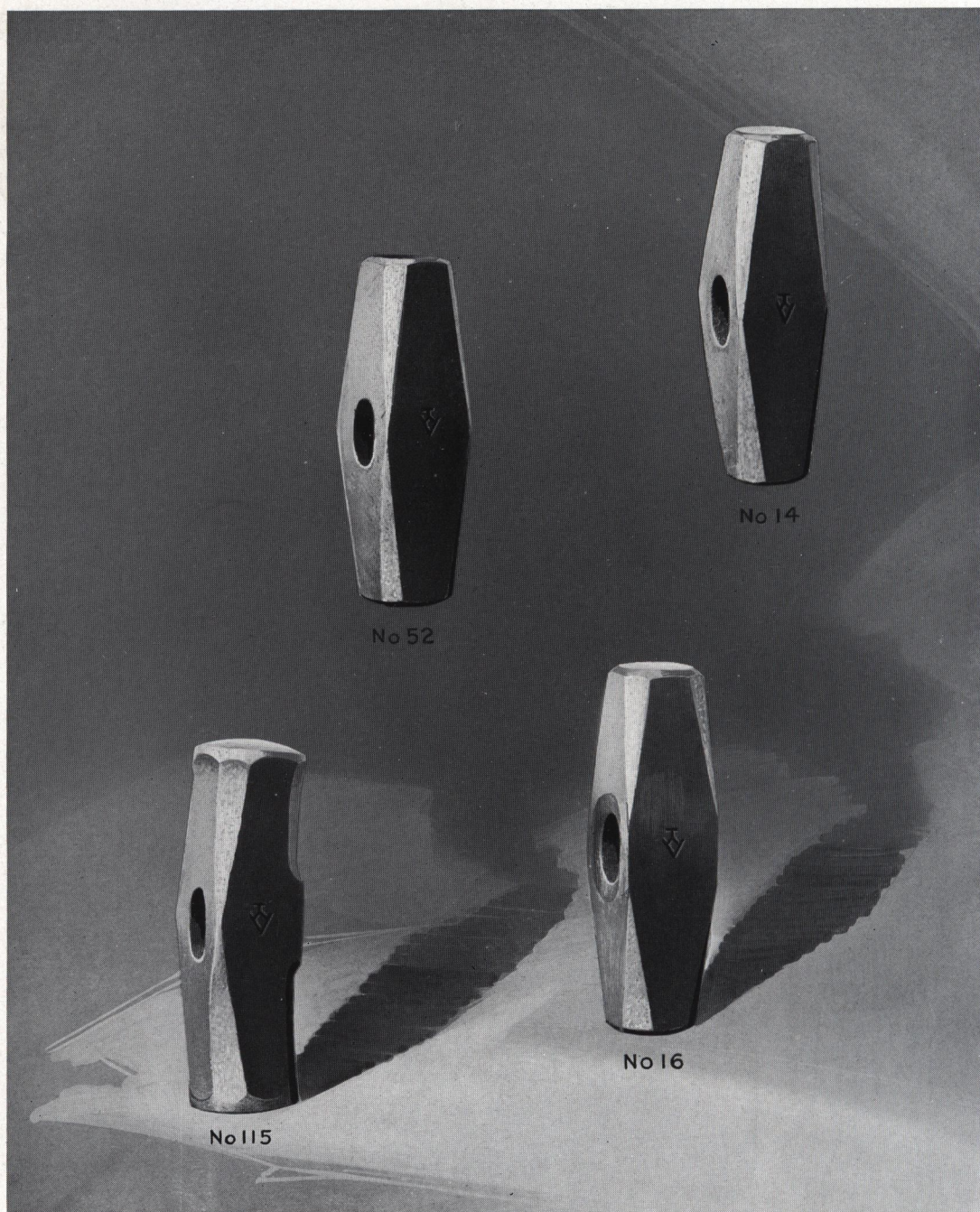
- No. 12. Quarry Sledge (cutting edge). Standard weights 12, 14, 16 pounds.
No. 13. Stone Sledge. Standard weights 12, 14, 16 pounds.
No. 15. Double Face Striking Sledge. Standard weights 8, 10, 12 pounds.
All sledges specially heat treated and tempered.



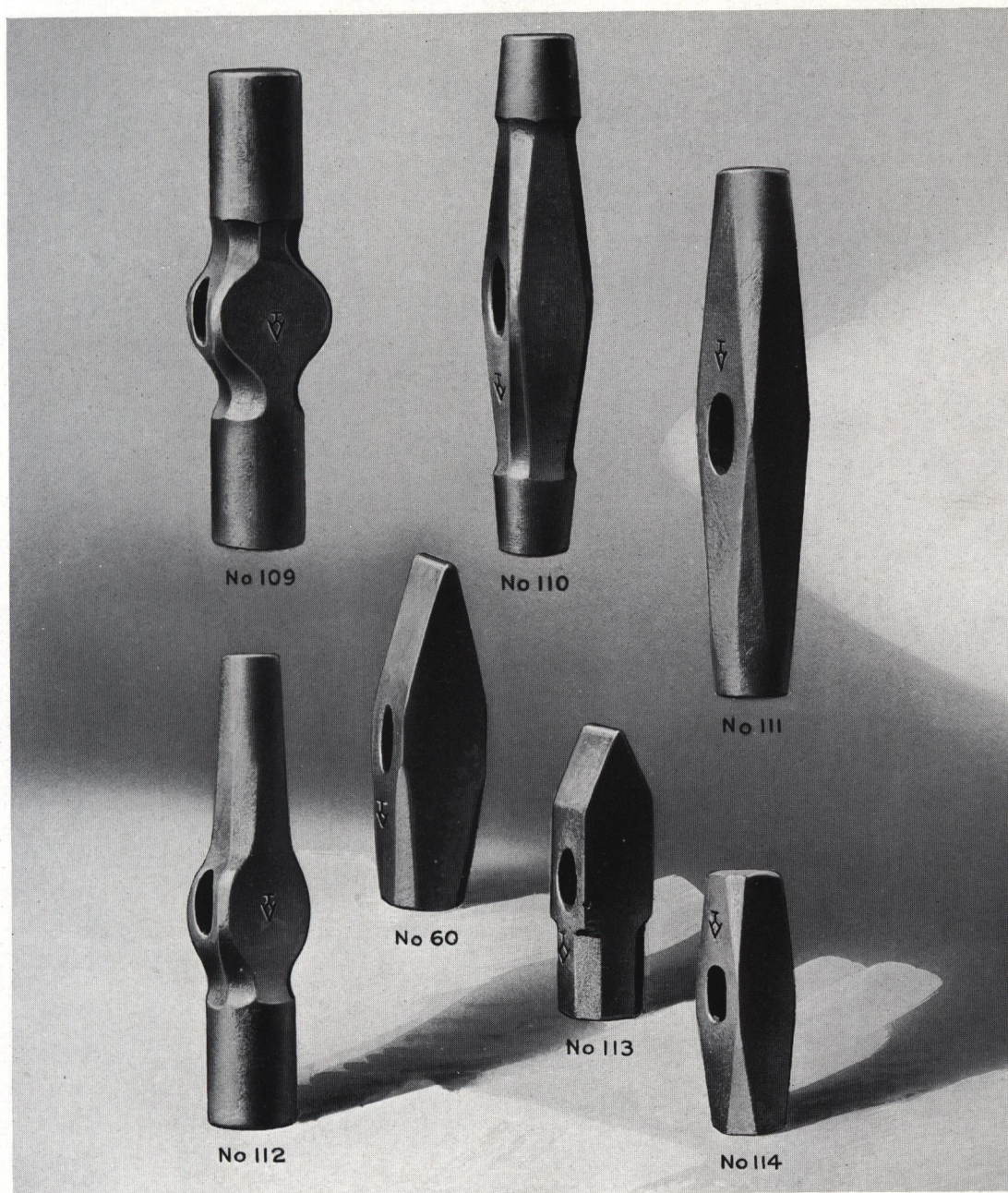
- No. 28. Smith Sledge (CROSS or STRAIGHT PEIN). Standard weights 8, 10, 12 pounds.
No. 44. Ore Sledge. Standard weights 12 and 14 pounds.
No. 108. Molders' Sledge. Standard weight 10 pounds.
All sledges specially heat treated and tempered.



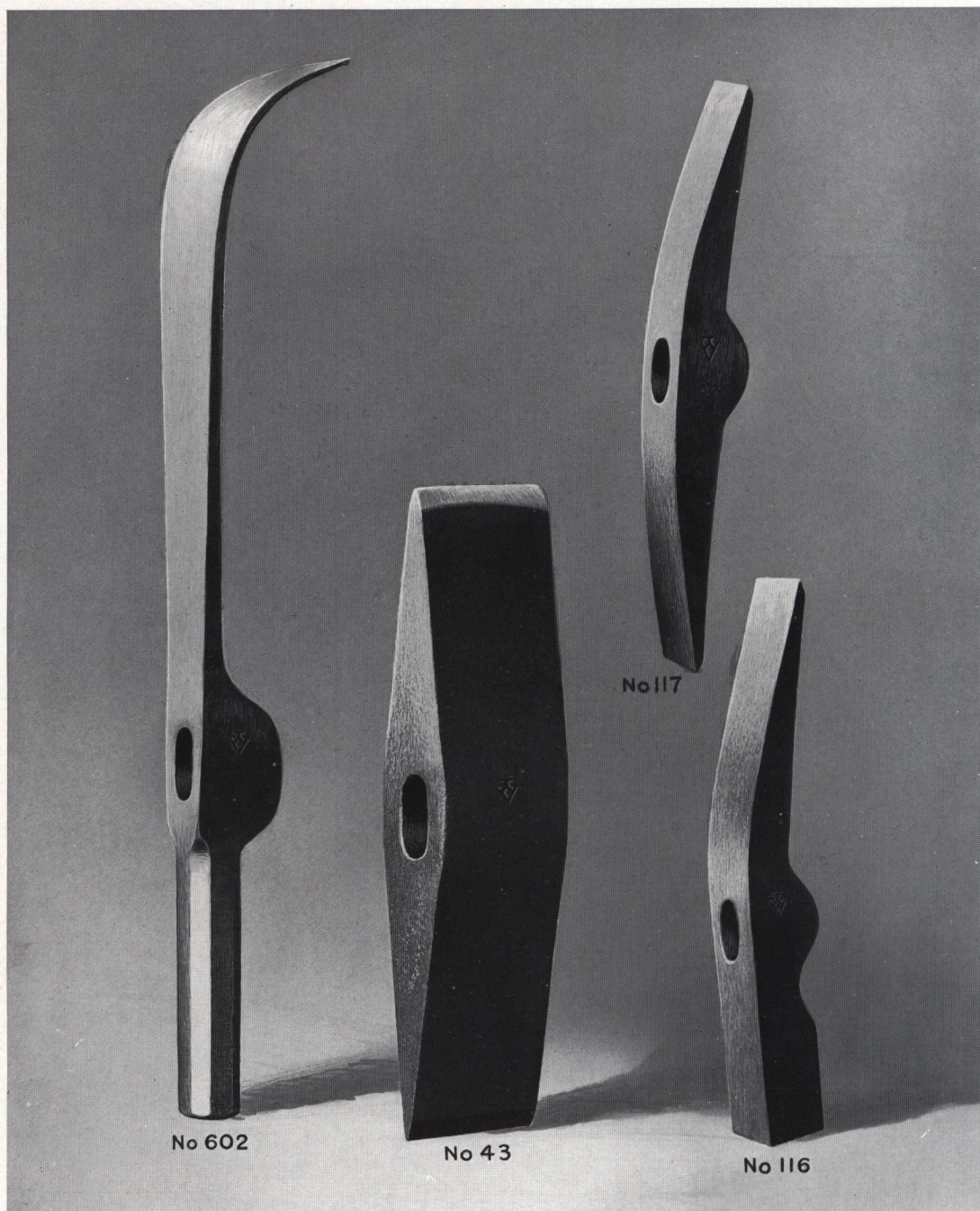
- No. 10. Masons' Hammer. Standard weights 4 to 12 pounds.
No. 8. Napping Hammer. Standard weights 4, 5, 6 pounds.
No. 11. Double Face Stone Hammer. Standard weights 10 and 12 pounds.
All hammers specially heat treated and tempered.



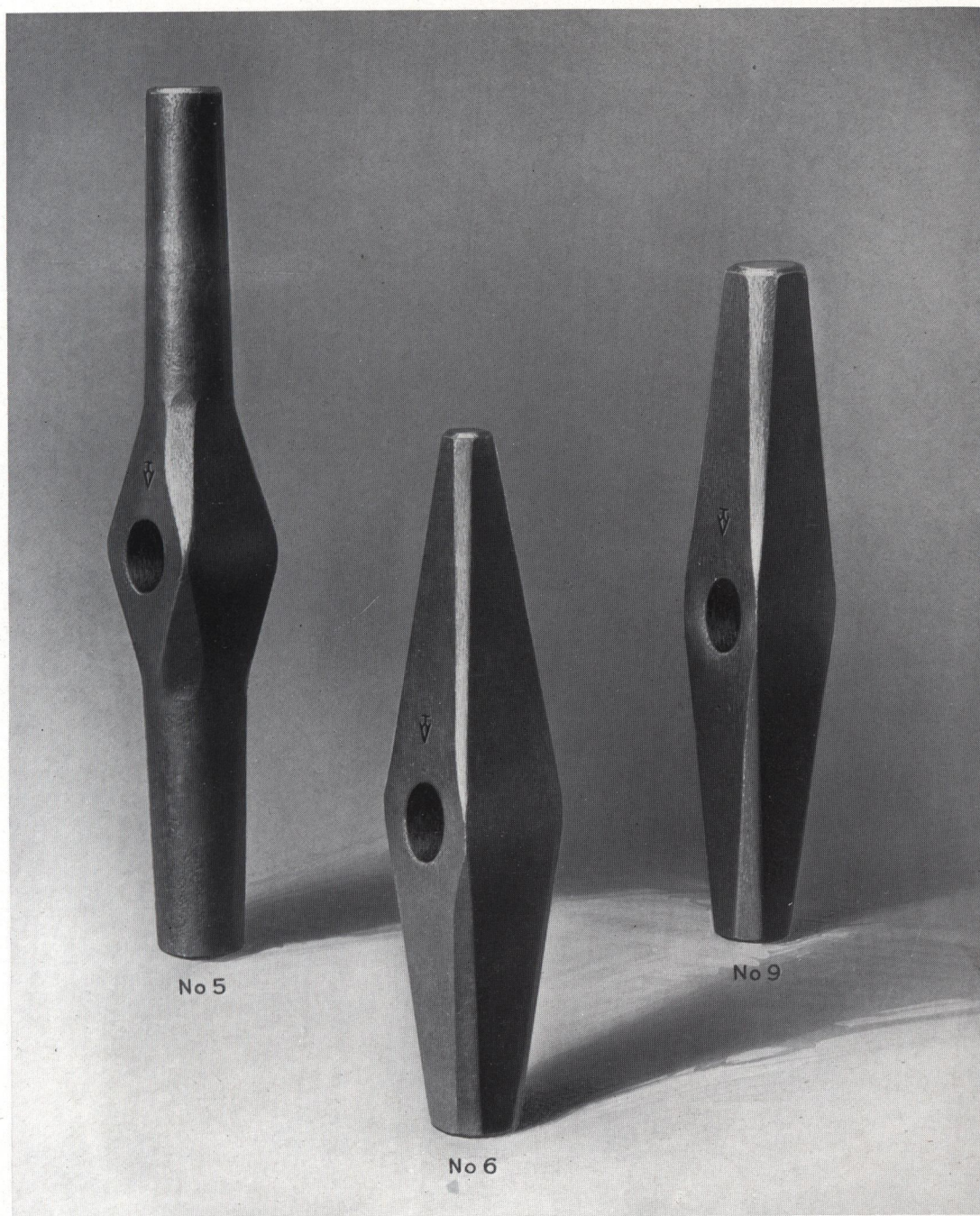
- No. 115. Italian Hammer. Standard weight $4\frac{1}{2}$ pounds.
No. 52. Double Face Striking Hammer. Standard weight 8 pounds.
No. 16. Double Face Striking Hammer. Standard weights 8, 10, 12 pounds.
No. 14. Hand Drilling Hammer. Standard weight 4 pounds.
All hammers specially heat treated and tempered.



- No. 112. Riveting Hammer. Standard weight 3 pounds.
No. 109. Riveting Hammer. Standard weight 3 pounds.
No. 60. Blacksmith Hand Hammer. Standard weight 3 pounds.
No. 110. Riveting Hammer. Standard weight 3 pounds.
No. 113. Engineers' Hammer (single face). Standard weight 3 pounds.
No. 111. Riveting Hammer. Standard weight 5 pounds.
No. 114. Engineers' Hammer (double face). Standard weight $1\frac{3}{4}$ pounds.
All hammers specially heat treated and tempered.



- No. 602. Paving Hammer. Standard weight $3\frac{1}{2}$ pounds.
No. 43. Stone Axe. Standard weight 8 pounds.
No. 117. Bricklayers' Skutch. Standard weights 2, $2\frac{1}{2}$ and 3 pounds.
No. 116. Bricklayers' Hammer. Standard weights $2\frac{1}{2}$ and 3 pounds.
All hammers specially heat treated and tempered.



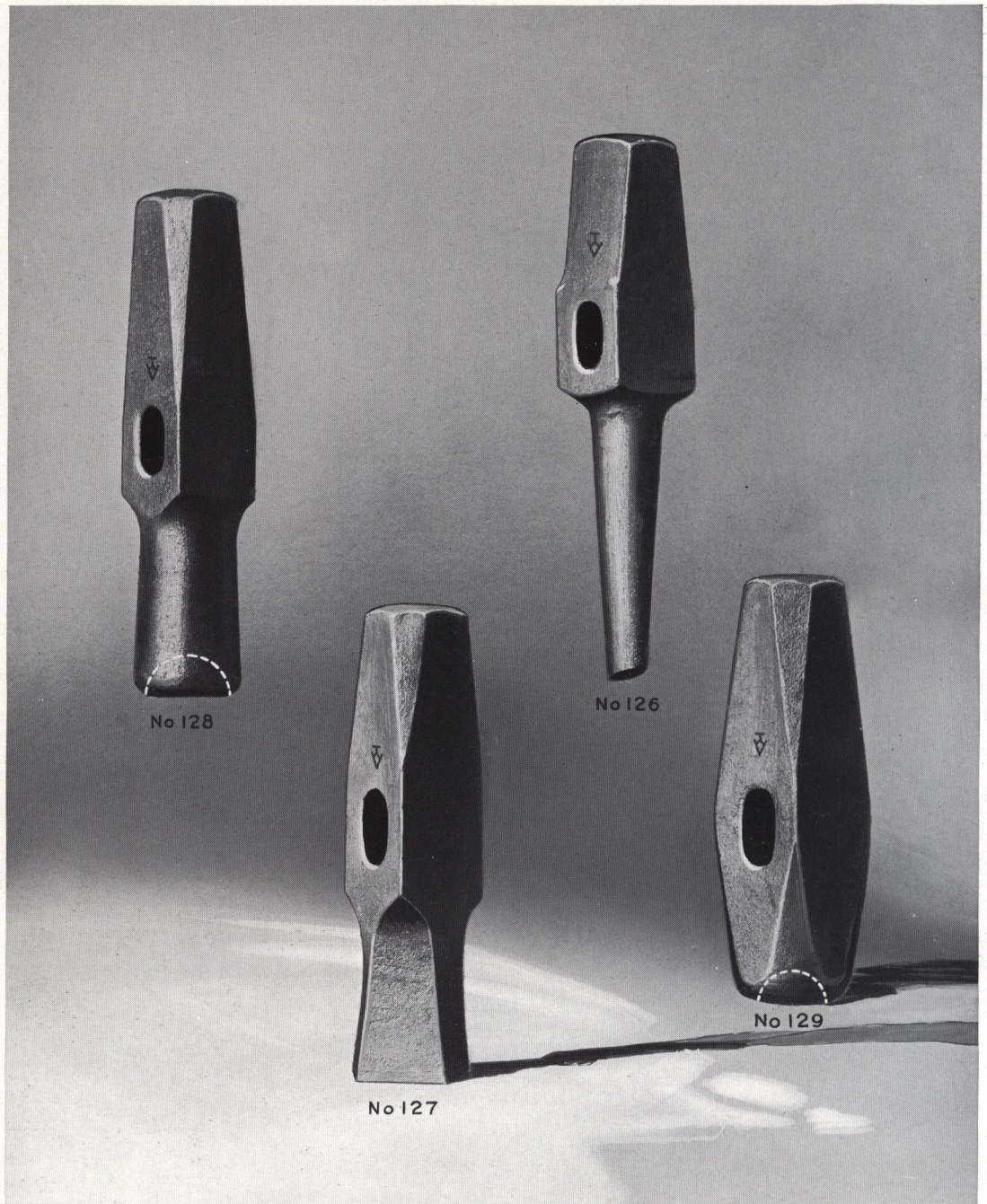
- No. 5. Spike Maul. Made any weight desired. Standard weights 8, 9 and 10 pounds.
No. 6. Spike Maul. Made any weight desired. Standard weights 8, 9 and 10 pounds.
No. 9. Coal Maul. Made any weight desired. Standard weight 8 pounds.
All mauls specially heat treated and tempered.



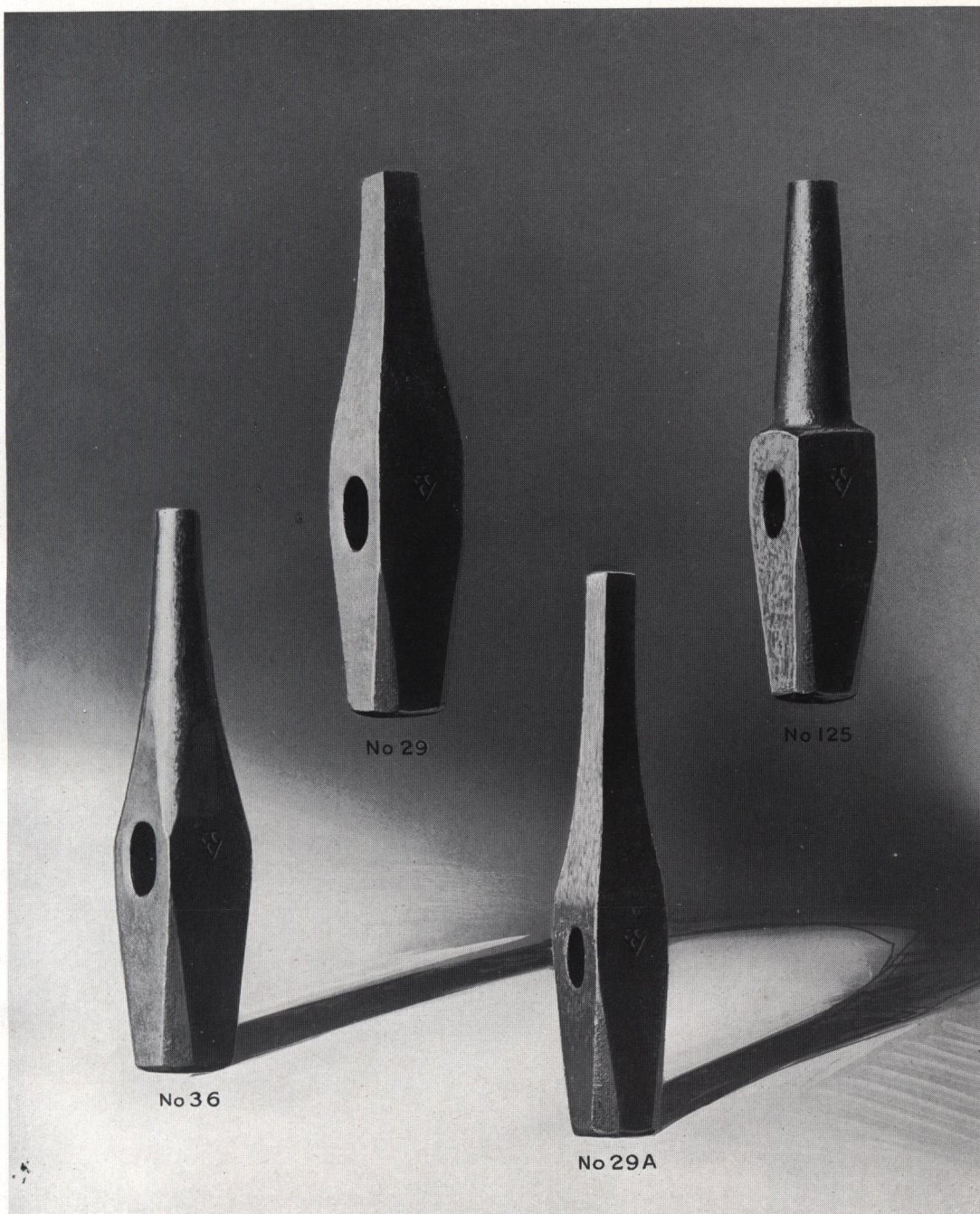
- No. 47. Woodchoppers' Maul, straight pattern. Standard weight 8 pounds.
No. 58. Ship Maul. Standard weight 5 pounds.
No. 72. Woodchoppers' Maul, Oregon pattern. Standard weights 8 and 10 pounds.
All mauls specially heat treated and tempered.



- No. 70A. Falling Wedge. Made any weight desired. Standard weight 5 pounds.
No. 71. Woodchoppers' Wedge, Oregon pattern. Made any weight desired. Standard Weights 6 and 8 pounds.
No. 70. Woodchoppers' Wedge. Made any weight desired. Standard Weights 6 and 8 pounds.
No. 30. Stone Wedges. Made any weight desired. Standard weight 4 pounds.
No. 27. Woodchoppers' Wedge. Made any weight desired. Standard weights 4, 6 and 8 pounds.



- No. 128. Button Set.
No. 127. Rivet Busters. Standard weight $4\frac{1}{2}$ pounds.
No. 126. Handle Gouge. Standard weight $3\frac{1}{4}$ pounds.
No. 129. Button Set.
Button sets made for rivets $\frac{1}{2}$ -inch and up. All special steel, heat treated.



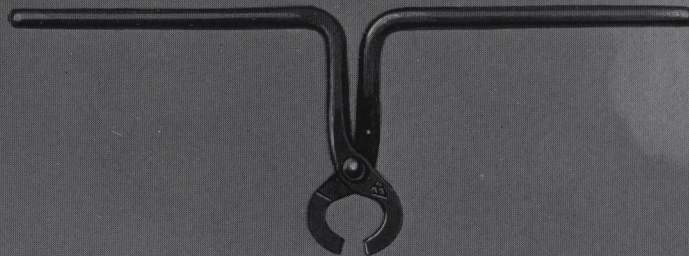
- No. 36. Track Punch, round point. Standard weight 5 pounds.
No. 29. Track Punch, square point. Standard weight 5 pounds.
No. 29A. Tie Plug Punch. Standard weight $3\frac{1}{2}$ pounds.
No. 125. Backing Out Punch. Standard weight $3\frac{1}{2}$ pounds.
All made of special steel, heat treated.



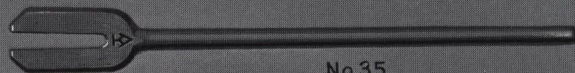
- No. 510. Track Wrench. Single end, flat handle. No. 51. Track Wrench. Single end, round handle.
No. 511. Construction Wrench (offset).
Made for all sizes and kinds of nuts. Always specify opening of jaw required. Drop forged.
No. 118. Alligator Wrench. Made in four sizes—Nos. 2, 3, 4, 5. Teeth machine cut and tempered. Drop
Forged. All jaws heat treated.



- No. 512. Track Wrench. Straight pattern, double end.
No. 513. Track Wrench. "S" pattern, double end.
Made for all sizes and kinds of nuts. Always specify opening of jaw required. Drop forged.
No. 514. Wrench ("S" pattern for car repairs):
For $\frac{3}{8}$ and $\frac{1}{2}$ -inch bolt, weight $1\frac{3}{4}$ pounds. For $\frac{3}{4}$ and $\frac{7}{8}$ -inch bolt, weight 5 pounds.
For $\frac{1}{2}$ and $\frac{5}{8}$ -inch bolt, weight 2 pounds. For $\frac{7}{8}$ and 1-inch bolt, weight $5\frac{1}{4}$ pounds.
For $\frac{5}{8}$ and $\frac{3}{4}$ -inch bolt, weight $3\frac{1}{2}$ pounds. For 1 and $1\frac{1}{8}$ -inch bolt, weight 8 pounds.
No. 516. Socket Wrench, T handle, for screw spikes. Made any pattern.
No. 517. Socket Wrench, goose neck. All jaws heat treated.



No 34



No 35



No 120

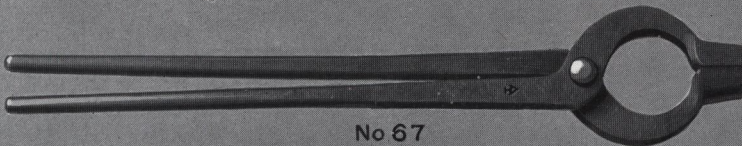


No 34 A

- No. 34. Rail Tongs. Weight about 18 pounds.
No. 35. Rail Fork. Weight about 11 pounds.
No. 120. Timber Tongs or Logging Hook.
No. 34A. Tie Tongs. Weight about 15 pounds.



No 66



No 67



No 68



No 121

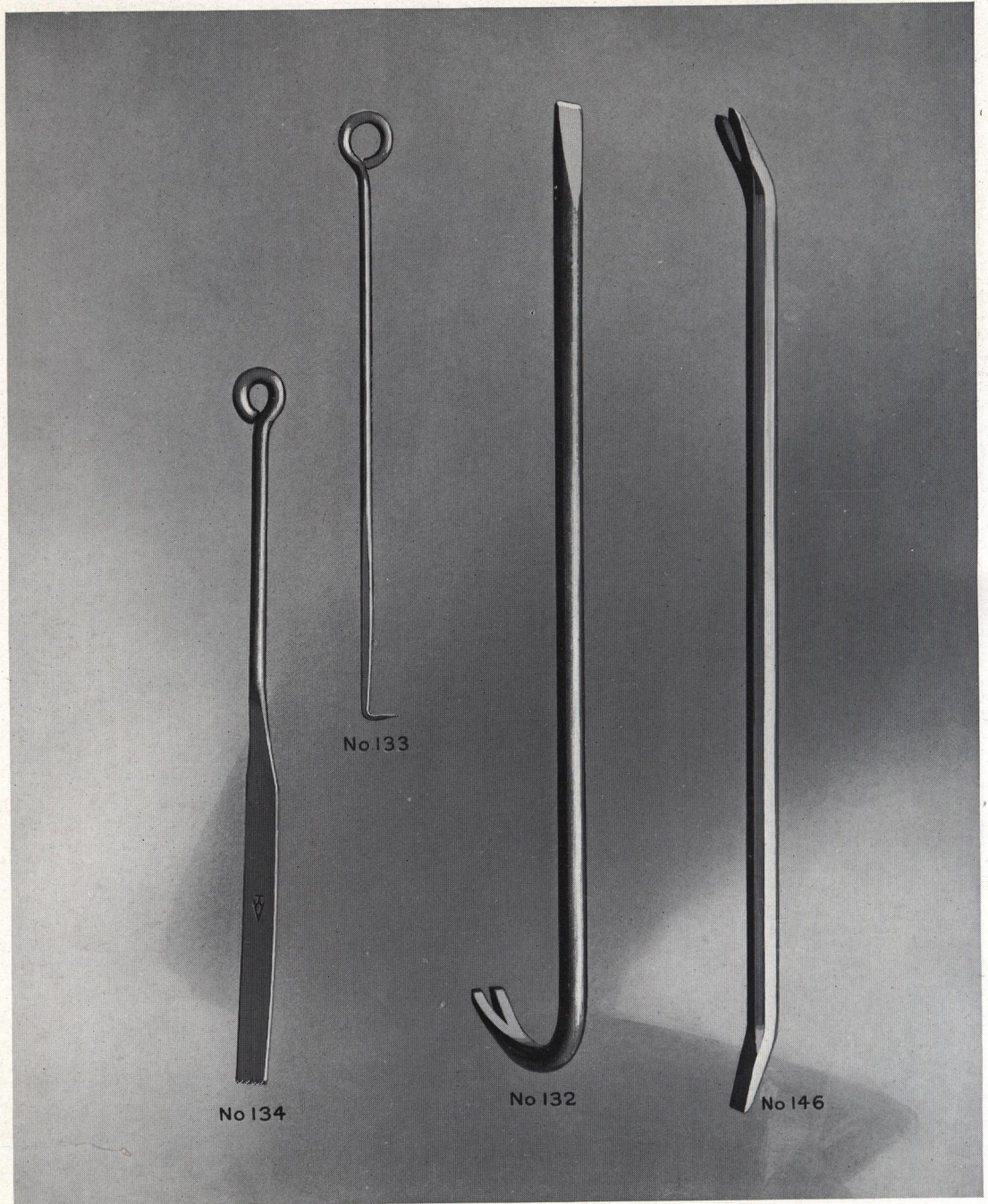


No 122

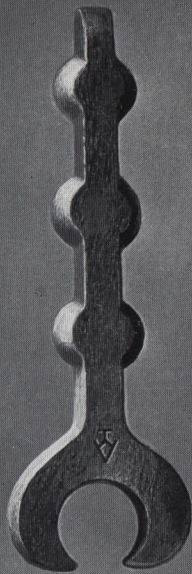


No 123

- | | | | |
|--|-------------------|----------|-----------------------|
| No. 66. | Pick Tongs. | No. 121. | Rivet Tongs. |
| No. 67. | Gad Tongs. | No. 122. | Single Pick-up Tongs. |
| No. 68. | Blacksmith Tongs. | No. 123. | Double Pick-up Tongs. |
| Solid steel—no welds. Made any length. | | | |



- No. 134. Packing Knife or Paddle. For packing and cleaning journal boxes.
No. 133. Packing Hook. For packing and cleaning journal boxes.
No. 132. Nail Puller. For carpenters' use.
No. 146. Carpenter Bar. For carpenters' use.



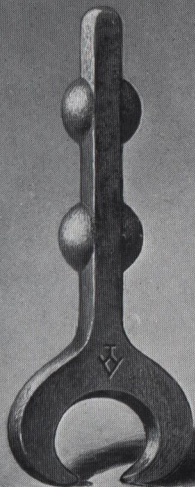
No 56 THREE KNOB



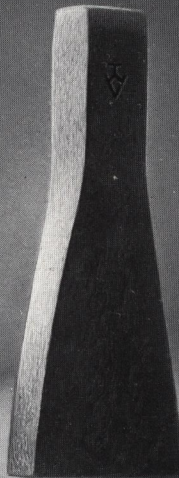
No 131



No 130



No 56 TWO KNOB



No 135

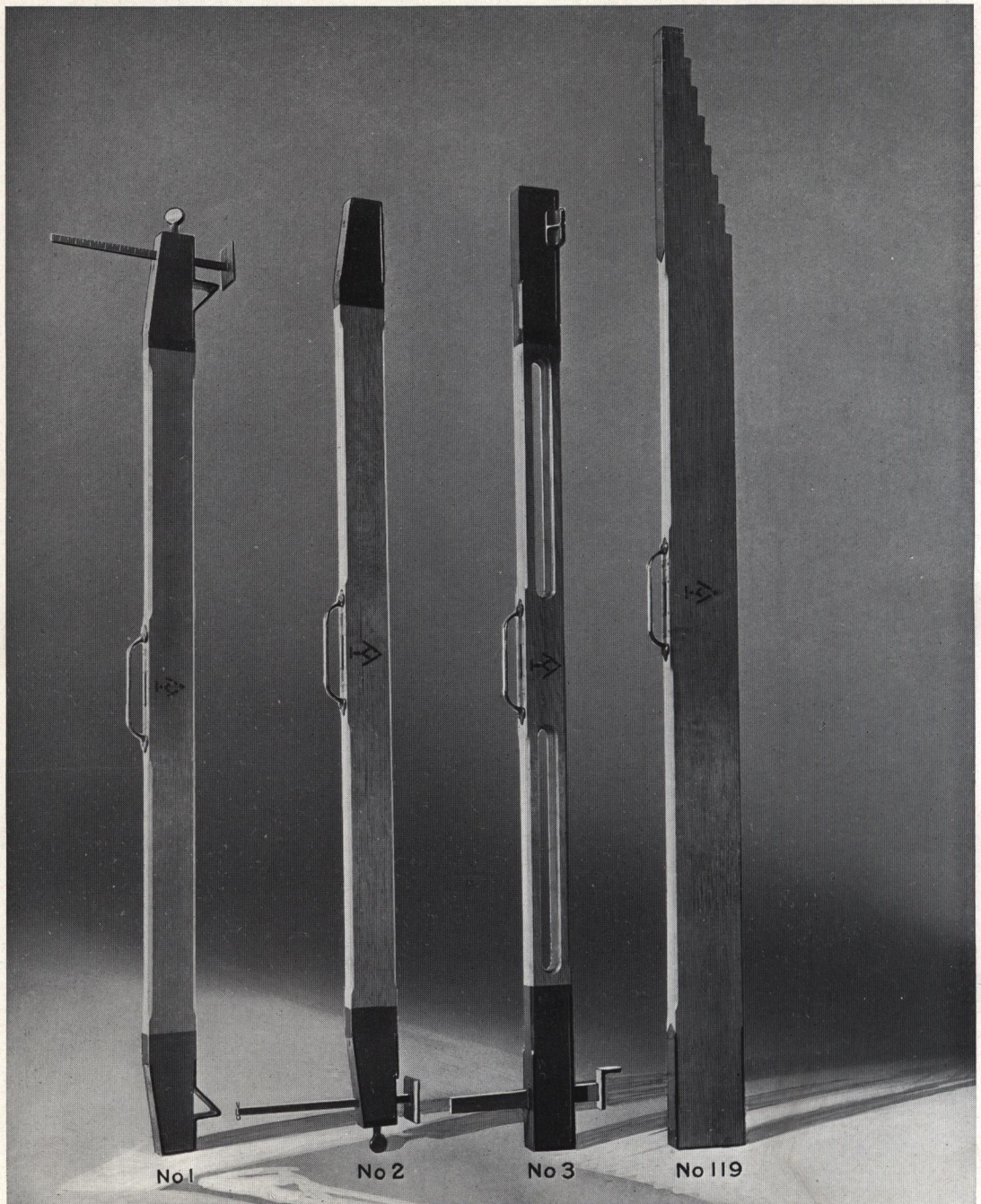
- No. 56. Spike Puller. Two-knob $1\frac{1}{2}$ pounds; three-knob 2 pounds.
No. 130. Drift Pins. Made any size or length.
No. 135. Tamping Pick End. Supplied for purpose of repairs. Either V or T end furnished.
Weight $2\frac{1}{2}$ pounds.
No. 131. Drill Bit. Made any size or length.



- No. 1. Solid Steel Gauge.
No. 2. Insulated (with Fibre Bushing) Pipe Center Gauge.
No. 3. Pipe Center Gauge (non-insulated).
No. 4. Wood Center Gauge (Ash).



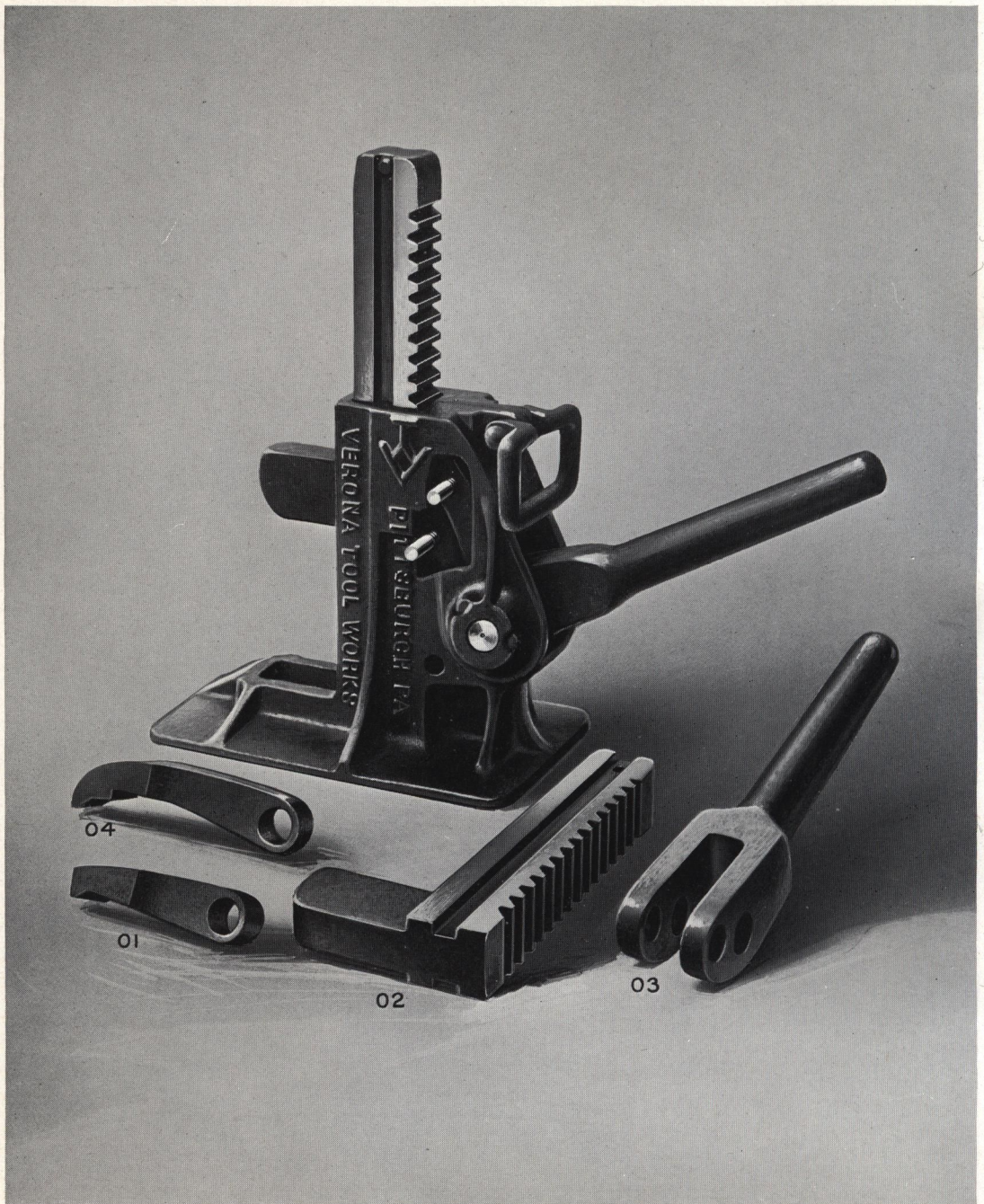
No. 5. Gauge, Guard Rail Lug. Wood center (Ash).
No. 6. Radius Gauge, wood center (Ash).
No. 7. Street Railway Gauge (Ash).



- No. 1. Combination Level and Gauge. Adjustable spirit level.
No. 2. Track Level. Adjustable spirit level.
No. 3. Track Level. Adjustable spirit level.
No. 119. Step Level Board. Adjustable spirit level.
All made from selected California Sugar Pine.



- No. 1. Verona Track Jack. Weight 51 pounds. Height of bar when down 21 inches. Lift of rack bar 14 inches. Capacity 10 to 15 tons. Materials—Frame, malleable iron; balance of jack, best crucible steel. Size of base 7 x 12 inches, as recommended by Roadmasters' Association of America. Size of rack bar equal to $1\frac{1}{2}$ square section. All working parts strong and simple in construction. Load can be dropped instantly and with certainty by the lower pawl. No small "trip" necessary. Load can be let down one tooth at a time, when required. Lever also acts as a handle, by which jack can be carried.
- No. 2. Jack is the same style as No. 1 excepting that it is heavier. Weight 75 pounds. Lift of rack bar 18 inches. Capacity 15 tons.
- Parts—B, Rack Bar; C, Lever; D, Top Catch; E, Pawl. All parts heat treated.

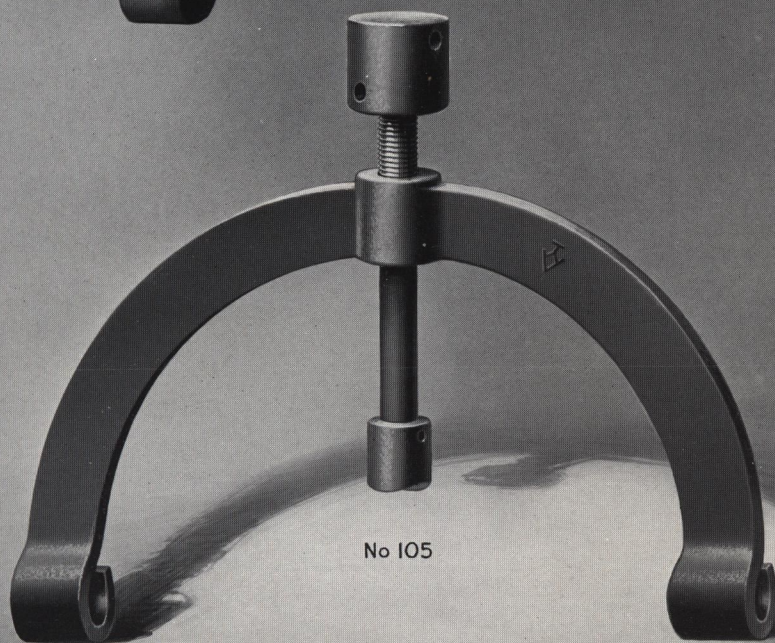


No. 0 or Baby Jack. Weight of jack 32 pounds. Extreme height of jack when raised $15\frac{1}{4}$ inches, when lowered 10 inches. Dimensions of base $6 \times 10\frac{1}{2}$ inches. Capacity 10 to 15 tons. This jack weighing but 32 pounds, is the lightest and most powerful jack on the market for track surfacing work. It is absolutely safe and extremely simple to operate, a train can pass over this jack when raised without striking it.

Parts—01, Lifting Pawl; 02, Rack Bar; 03, Lever; 04, Holding Pawl. All parts heat treated.

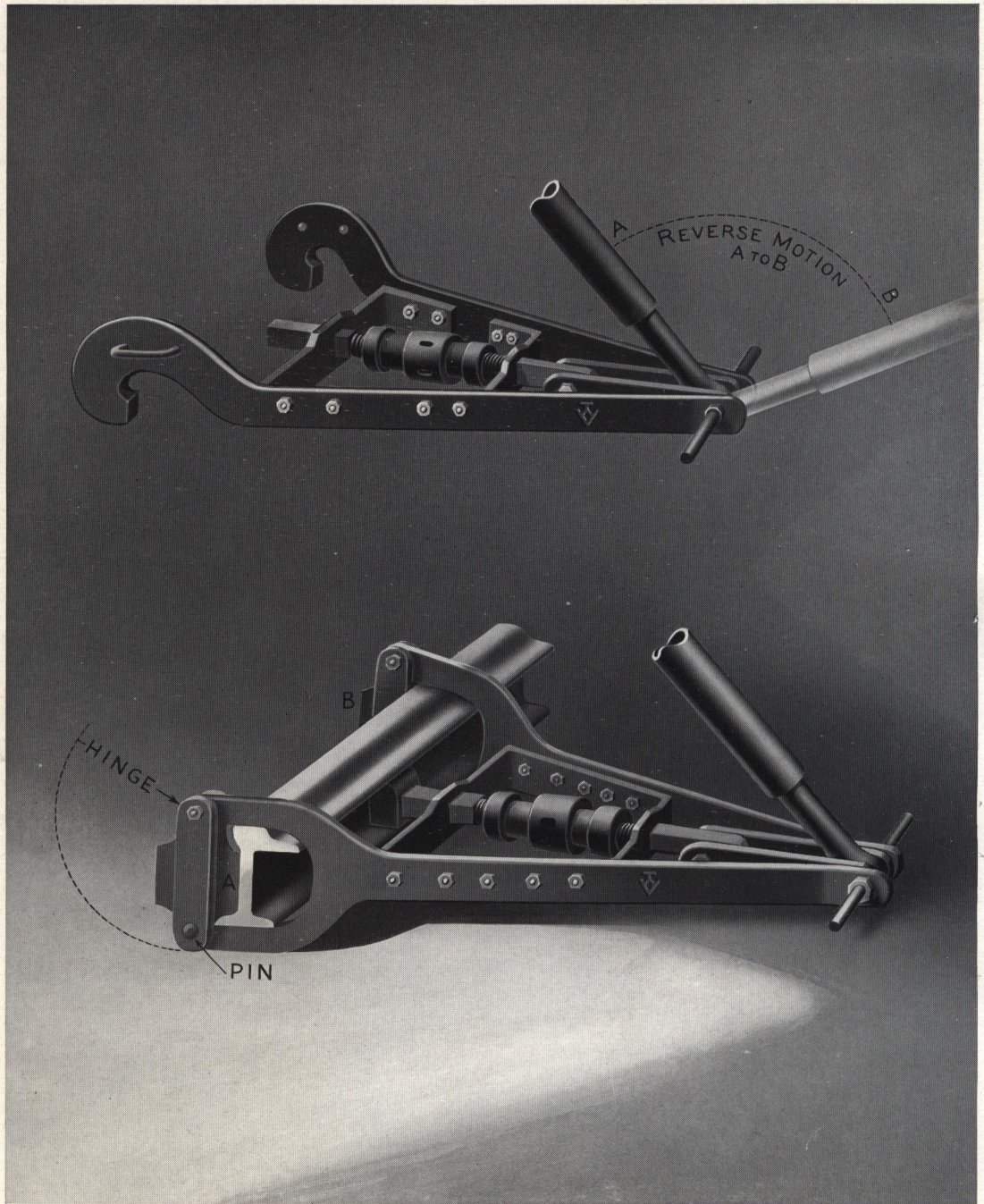


No 704

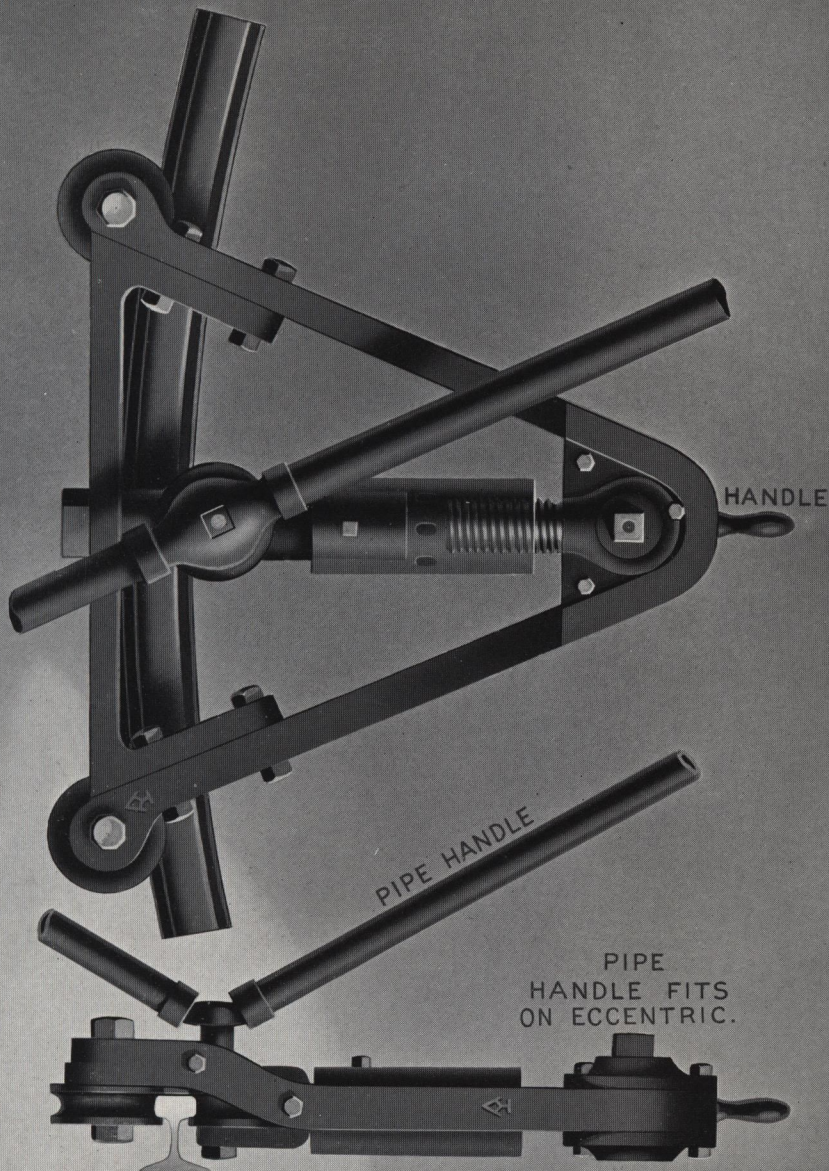


No 105

- No. 704. Samson Style Bender. Weight 180 pounds. For bending 65 to 100-pound rail.
No. 105. Jim Crow Bender. Made in five sizes—16 to 25-pound rail, 25 to 45-pound rail, 45 to 65-pound rail, 65 to 85-pound rail, 85 to 100-pound rail.



- No. 57. Verona Eccentric Bender, for T rail. Operating lever made of pipe. Made in six sizes—16 to 25-pound rail, 25 to 45-pound rail, 45 to 65-pound rail, 65 to 85-pound rail, 85 to 100-pound rail, 100 to 120-pound rail. This bender can be furnished with blocks for taking out surface bends.
- No. 138. Eccentric Bender, for girder and guard rail. For any size or weight of rail. Send size or sketch of rail to be curved. NOTE — Plates A and B can be changed for any other section of rail.



No. 139. Eccentric Roller Rail Bender. Made in four sizes, 25 to 45-pound rail 45 to 65-pound rail, 65 to 85-pound rail, 85 to 100-pound rail.

